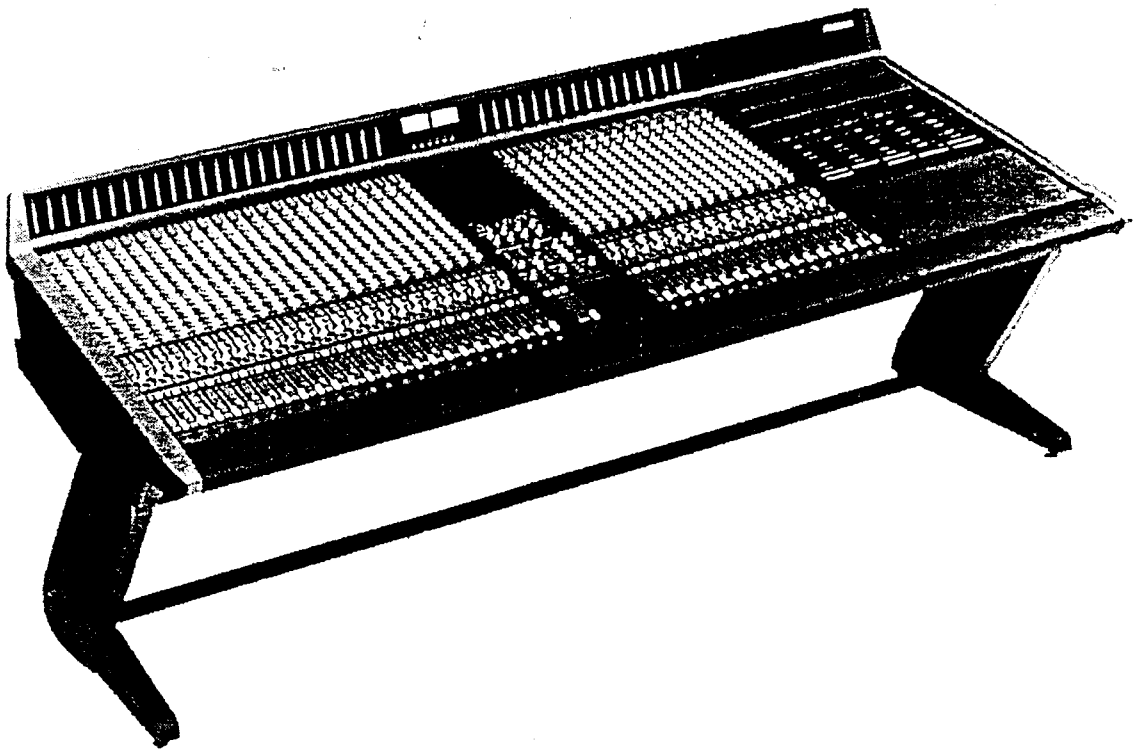
TASCAM

TEAC Professional Division

M-5000

Mixing Console



MAINTENANCE MANUAL

D00040800A

"**CAUTION** – THESE SERVICE INSTRUCTIONS ARE FOR USE BY QUALIFIED PERSONNEL ONLY. TO AVOID ELECTRIC SHOCK DO NOT PERFORM ANY SERVICING OTHER THAN THAT CONTAINED IN THE OPERATING INSTRUCTIONS UNLESS YOU ARE QUALIFIED TO DO SO. REFER ALL SERVICING TO QUALIFIED SERVICE PERSONNEL."

INSTRUCTIONS FOR SERVICE PERSONNEL

BEFORE RETURNING APPLIANCE TO THE CUSTOMER, MAKE LEAKAGE-CURRENT OR RESISTANCE MEASUREMENTS TO DETERMINE THAT EXPOSED PARTS ARE ACCEPTABLY INSULATED FROM THE SUPPLY CIRCUIT.

NOTES

- **Major parts only are listed.**
- **As regards the resistors and capacitors, refer to the schematic diagrams and the PCB drawings contained in this manual.**
- Parts marked with * require longer delivery time.
- ⚠ Parts marked with this sign are safety critical components. They must always be replaced with identical components – refer to the TEAC Parts List and ensure exact replacement.
- PC boards shown are viewed from electro-parts side.

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1. LEVEL SETTING AND SIGNAL CHECKING

Notes:

1. The nominal signal level (1kHz) at each input and output should be as follows:

	Input	Output
. MIC INPUT:	- 60 dBm	
. LINE INPUT:	+4 dBm	
. TAPE RETURN:	+4 dBm	
. INSERT RETURN:	+4 dBm	
. INSERT SEND:		+4 dBm
. ST INS RTN:	+4 dBm	
. ST INS SEND:		+4 dBm
. STEREO OUT:		+4 dBm
. 2TR IN:	+4 dBm	
. DAT IN:	+4 dBm	
. EXT IN:	- 10 dBv	
. A OUT:		+4 dBm
. B OUT:		+4 dBm
. STUDUO OUT:		+4 dBm
. GROUP OUTPUT/ DIRECT OUTPUT:		+4 dBm
. AUX OUTPUT:		+4 dBm
. OSC IN:	+4 dBm	
. OSC OUT:		+4 dBm
. EXT MIC:	- 42 dBm	

. PHONES: Maximum output level:
100 mW + 100 mW (30-ohm load)

2. Unless otherwise specified, control and fader settings once set should be left as they are for subsequent checking.
3. Unless otherwise specified, leave all switches in their OFF positions.
4. Signals should be input and output through the patch bay.

1-1. MIC Control
(MIC INPUT → INSERT SEND: Fig. 1-1)

1. Set each switch as follows:
   +48 V, PAD, LINE, SUB, PHASE (ϕ), HPF, and EQ (input channel): OFF
2. Input the nominal level signal to the MIC INPUT, and adjust MIC control so that the output at INSERT SEND is at nominal level. At this time, the MIC control should be positioned around 3 o'clock position.

1-2. LINE Control
(LINE INPUT → INSERT SEND: Fig. 1-1)

3. Switch ON the LINE switch.
4. Input the nominal level signal to the LINE INPUT, and adjust the LINE control so that the output at INSERT SEND is at nominal level. At this time, the LINE control should be positioned around 12 o'clock position.

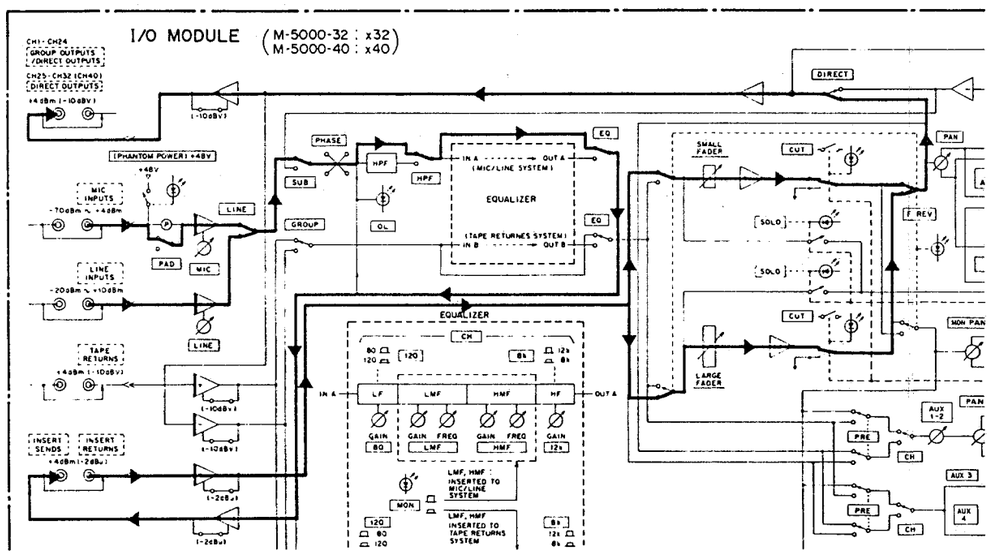


Fig. 1-1

1-3. Small Fader
(INSERT RETURN → DIRECT OUTPUT: Fig. 1-1)

1. Set both FRV and CUT (small fader) to OFF, then switch ON the DIRECT switch.
2. Input the nominal level signal to the INSERT RETURN, and adjust the small fader so that the output at DIRECT OUTPUT is at nominal level. At this time, the fader should be positioned around 0 reading.

1-4. Large Fader
(INSERT RETURN → DIRECT OUTPUT: Fig. 1-1)

3. Switch ON the FRV switch then set the CUT (large fader) to OFF.
4. Input the nominal level signal to the INSERT RETURN, and adjust the large fader so that the output at DIRECT OUTPUT is at nominal level. At this time, the fader should be positioned around 0 reading.

1-5. GROUP Control
(INSERT RETURN → GROUP OUTPUT: Fig. 1-2)

1. Set each switch and fader as follows:
   FRV, CUT(small fader), FROM AUX 1 - 2, FROM MON, DIRECT: OFF
   All group assign switches: ON
   Small fader: nominal level (see 1-3)
2. Turn the CH PAN control fully to ODD.
3. Switch OFF the ⬇ switch.
4. Input the nominal level signal to the INSERT RETURN, and adjust each GROUP control for groups 1, 3, 5, 7, 9 and 11 so that the outputs at GROUP OUTPUTs for groups 1, 3, 5, 7, 9 and 11 should be at nominal level. At this time, each control should be positioned around 12 o'clock position.
5. Switch ON the ⬇ switch. Likewise adjust each GROUP control for groups 13, 15, 17, 19, 21, and 23.
6. Turn the CH PAN control fully to EVEN. Likewise adjust each GROUP control for groups 14, 16, 18, 20, 22 and 24.
7. Switch OFF the ⬇ switch. Likewise adjust each GROUP control for groups 2, 4, 6, 8, 10 and 12.

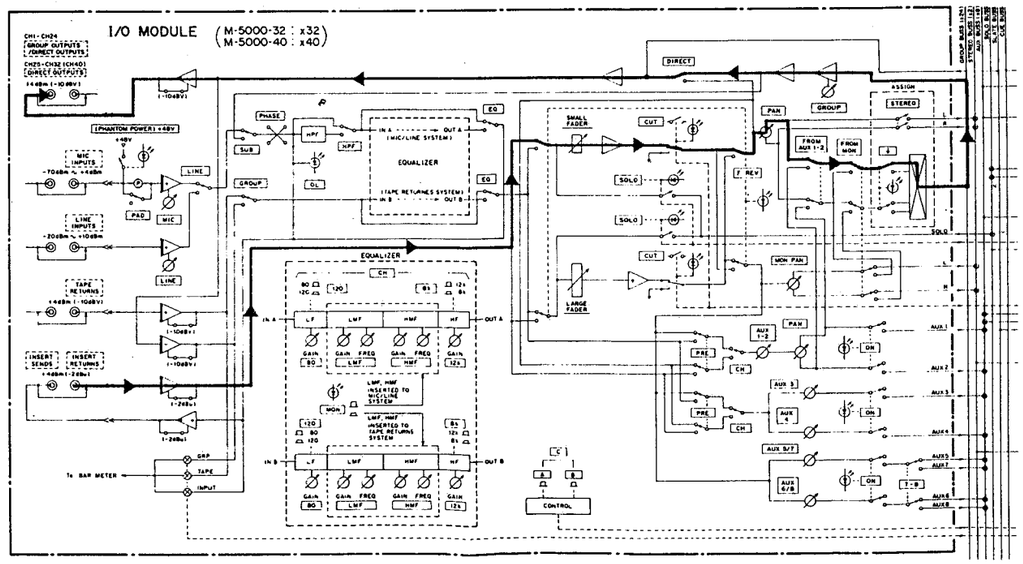


Fig. 1-2

1-6. Stereo Master Fader
(ST INS RTN L → STEREO OUT L: Fig. 1-3)

1. Set the stereo master fader to the uppermost position ("0" position).
2. Confirm that the output at STEREO OUT L is at around the same level as nominal output level when the nominal level signal is input to ST INS RTN L.

1-7. TRIM Control
(INSERT RETURN → ST INS SEND L: Fig. 1-3)

1. Set each switch and control as follows:
   FRV, CUT (small fader): OFF
   STEREO, UNCAL: ON
   Small fader: nominal level position (see 1-3)
   CH PAN control: fully to ODD position
2. Input the nominal level signal to INSERT RETURN, and adjust the TRIM control so that the output at ST INS SEND L is at nominal level. At this time, the TRIM control should be positioned between 11:30 and 12:30 positions.

1-8. AUX MASTER Control
(TAPE RETURN → AUX OUTPUT: Fig. 1-3)

1. Set each switch and fader as follows:
   GROUP, EQ (monitor section), FRV, CUT (large fader): OFF
   Large fader: nominal level position (see 1-4)

AUX 1, 2

2. Set each switch and control at the AUX 1 and 2 sections of the I/O module as follows:
   PRE, CH: OFF
   ON: ON
   AUX 1 - 2 control: fully clockwise
3. Switch OFF the GANG switch in the AUX MASTER section.
4. Turn the PAN control in the AUX 1, 2 section fully to ODD.
5. Input the nominal level signal to TAPE RETURN, and adjust the AUX MASTER 1 control in the AUX MASTER section so that the output at AUX OUTPUT 1 is at nominal level. At this time, the AUX MASTER 1 control should be positioned between 1 o'clock and 2 o'clock positions.
6. Turn the PAN control fully to EVEN. Likewise adjust the AUX MASTER 2 control.

AUX 3, 4

7. Switch OFF both the PRE and CH switches in the AUX 3, 4 section, then switch ON the ON switch.
8. Turn the AUX 3 control fully clockwise. Likewise adjust the AUX MASTER 3 control.
9. Turn the AUX 4 control fully clockwise. Likewise adjust the AUX MASTER 4 control.

AUX 5 to 8

10. Switch ON the ON switch in the AUX 5 to 8 sections, then switch OFF the 7 - 8 switch.
11. Turn the AUX 5/7 control fully clockwise. Likewise adjust the AUX MASTER 5 control.
12. Turn the AUX 6/8 control fully clockwise. Likewise adjust the AUX MASTER 6 control.
13. Switch ON the 7 - 8 switch. Likewise adjust each of the AUX MASTER 7, 8 controls.

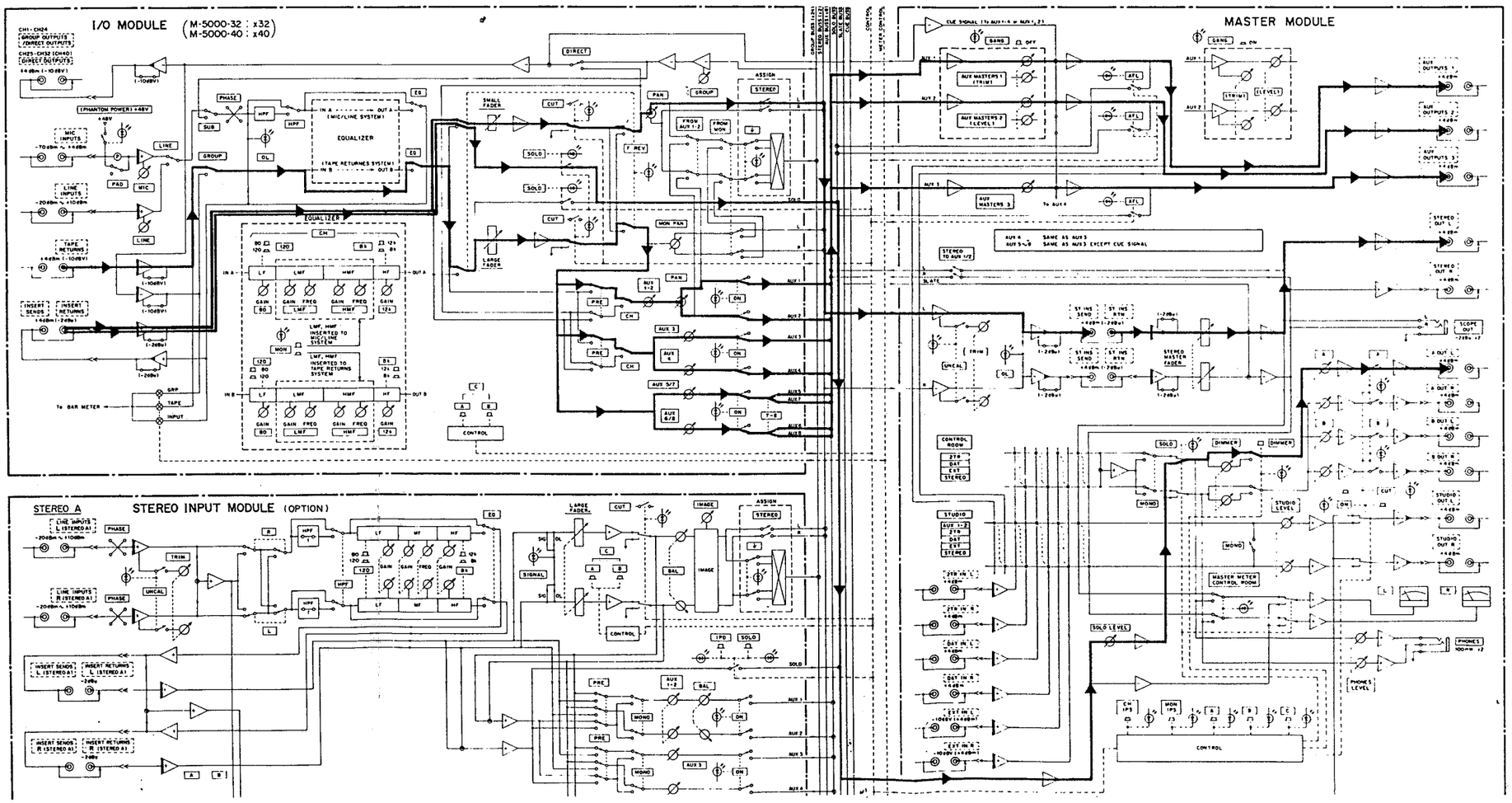


Fig. 1-3

1-9. CONTROL ROOM Level Control (2TR IN L → A OUT L, B OUT L: Fig. 1-4)

1. Set each switch as follows:
   All SOLO switches: OFF
   CONTROL ROOM section
   CONTROL ROOM output select switch: 2TR
   MONO, DIM, CUT: OFF
   A switch: ON
2. Input the nominal level signal to 2TR IN L, and adjust the CONTROL ROOM A level control so that the output at A OUT L is at nominal level. At this time, the CONTROL ROOM A control should be positioned between 1 o'clock and 2 o'clock positions.
3. Switch ON the B switch, likewise, adjust the CONTROL ROOM B level control so that the output at B OUT L is at nominal level.

1-10. Confirming the Output at A OUT

4. Switch ON the A switch.
5. Input the nominal level signal with the switch set as follows, then confirm that the output level at A OUT L and R is +4 dBm ± 2 dBm.

Input terminals	CONTROL ROOM switch
2TR IN L, R	2TR
DAT IN L, R	DAT
EXT IN L, R	EXT
ST INS RTN L, R	STEREO

1-11. Confirming the Output at B OUT

6. Switch ON the B switch.
7. As in 1-10, confirm that the output level at B OUT L, R is +4 dBm ± 2 dBm.

1-12. STUDIO LEVEL Control (2TR IN L → STUDIO OUT L: Fig. 1-4)

1. Set the STUDIO section switches as follows:
   STUDIO output select switch: 2TR
   MONO switch: OFF
   ON switch: ON
2. Input the nominal level signal to 2TR IN L, and adjust the STUDIO LEVEL control so that the output at STUDIO OUT L is at nominal level. At this time, the STUDIO LEVEL control should be positioned between 1 o'clock and 2 o'clock positions.

1-13. Confirming the Output at STUDIO OUT

3. Input the nominal level signal with the switch set as follows, then confirm that the output level at STUDIO OUT L and R is +4 dBm ± 2 dBm.

Input terminals	STUDIO switch
2TR IN L, R	2TR
DAT IN L, R	DAT
EXT IN L, R	EXT
ST INS RTN L, R	STEREO

4. Set switches and controls to the same settings as in steps 1 to 4 in 1-8.
5. Set the STUDIO output select switch to AUX 1 - 2, then confirm that the output level at STUDIO OUT L is +4 dBm ± 2 dBm when the nominal level signal is input to TAPE RETURN.
6. Turn the PAN control in the AUX 1, 2 sections fully to EVEN, and confirm the output level at STUDIO OUT R in a similar fashion.

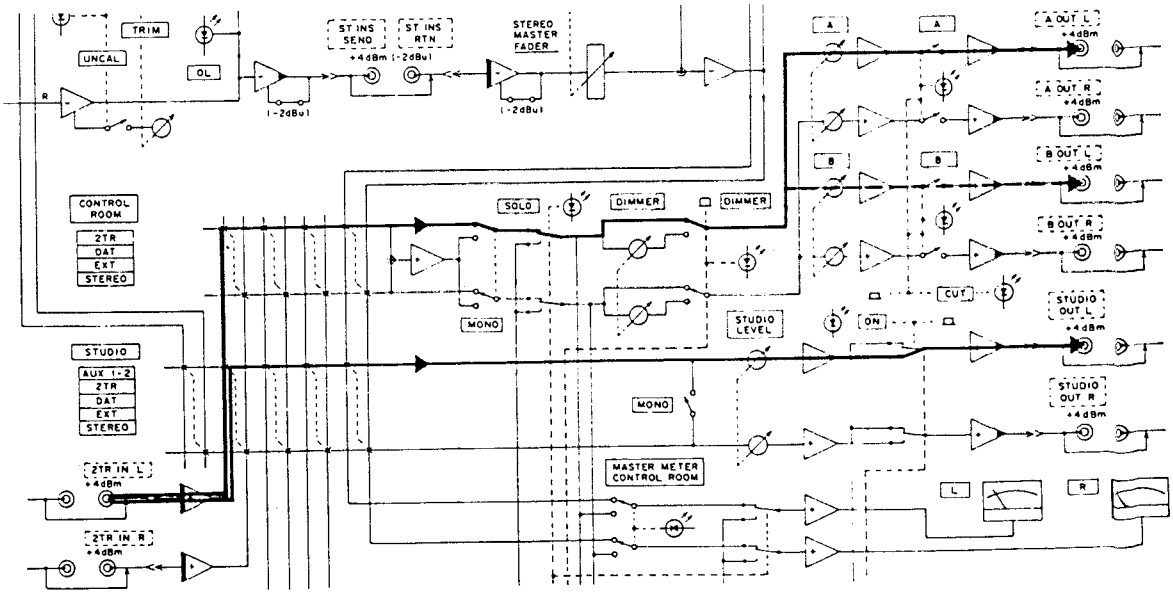


Fig. 1-4

1-14. SOLO LEVEL Control (INSERT RETURN → A OUT L: Fig. 1-3)

1. Set each switch and control as follows:
   Fader section of the I/O module
   FRV switch: OFF
   SOLO (small fader) switch: ON
   CONTROL ROOM section
   Each of the CH IPS, DIM, CUT switches: OFF
   A switch: ON
   CONTROL ROOM A level control:
   nominal level position (see 1-9)
2. Input the nominal level signal to INSERT RETURN, and adjust the SOLO LEVEL control so that the output at A OUT L is at nominal level. At this time, the SOLO LEVEL control should be positioned between 1 o'clock and 2 o'clock positions.

1-15. Confirming the Output at PHONES

1. Set the SOLO switch near the small fader of the I/O module to OFF.
2. Set the CONTROL ROOM output select switch in the CONTROL ROOM section to 2TR, then switch OFF the MONO switch.
3. Turn the PHONES LEVEL control fully clockwise (maximum level position).
4. Input the nominal level signal to 2TR IN L,R, then confirm that the output level at each of PHONES L and R is 100 mW maximum (at 30 Ω load).

1-16. Confirming the Test Tone

1. Switch ON each of the OSC and UNCAL switches in the TONE OSC section.
2. So that the output at OSC OUT is at nominal level, adjust the TONE LEVEL control. At this time, the TONE LEVEL control should be positioned between 1 o'clock and 2 o'clock positions.
3. Switch OFF the UNCAL switch, then adjust the relevant trimmer resistor so that the frequency output selected by the OSC frequency select switch is at the nominal level at OSC OUT. The margin of error for output level at each frequency should be within ±10%.
4. Confirm that the signal is output to GROUP OUTPUT/DIRECT OUTPUT and STEREO OUT L,R when the SLATE TONE switch is switched ON.

1-17. Talkback

EXT MIC control

1. Turn the SLATE control fully clockwise (maximum level position).
2. Block the talkback microphone with your fingers, then input the nominal level signal to EXT MIC while pressing the SLATE button and adjust the EXT MIC control so that nominal level signal is output to both STEREO OUT L and R. At this time, the EXT MIC control should be positioned between 1 o'clock and 2 o'clock positions.

SLATE

3. Release your fingers from the talkback microphone, then input the nominal level signal to EXT MIC while pressing the SLATE button and confirm that the output at GROUP OUTPUT/DIRECT OUTPUT is at nominal level ±2 dB.

AUX 1 - 4

4. Turn the AUX 1 - 4 control fully clockwise (maximum level position).
5. While pressing the AUX 1 - 4 button, confirm in a similar manner that the output at AUX 1 to 4 each is at nominal level ±2 dB.

STUDIO

6. Turn the STUDIO control fully clockwise (maximum level position).
7. While pressing the STUDIO button, confirm in a similar manner that the output at each of STUDIO OUT L and R is at nominal level ±2 dB.

1-18. Calibrating the Bar Meter

1. Remove the four screws fixing the meter cover behind the VU meter, and take off the meter cover.
2. Flip up DS6 of the DIP switch (S01) on the METER CONT PCB to ON, then flip down DS7 to OFF and press the reset switch (S02) (Fig. 1-5). At this time, check to see if the lowermost dot of the bar meter of all channels flashes for approx. 5 seconds.
3. Set the INPUT select switch to TAPE RETURN.
4. Input the nominal level signal to TAPE RETURN of channel 1 to calibrate the bar meter of channel 1 automatically. The meter of channel 1 will continue to indicate the previous level even after the input signal is switched OFF, indicating that calibration of the channel 1 meter is complete.
5. For all remaining channels, perform the same procedure as in 4, one channnel at a time.
6. After calibrating all the channels, flip down DS6 of the DIP switch to OFF and flip up DS7 to ON, then press the reset switch.
7. Input the nominal level signal to TAPE RETURN of channel 1 and confirm that the channel 1 meter reads "0". Confirm the remaining channels in the same manner.

1-19. Frequency Response

At the nominal input/output level, the frequency response should be as follows:

MIC INPUT - GROUP/STEREO OUTPUT:
20 Hz to 25 kHz +0.0, -1.0 dB
LINE INPUT - GROUP/STEREO OUTPUT:
20 Hz to 30 kHz +0.0, -1.0 dB
LINE INPUT - PHONES:
50 Hz to 20 kHz +0.0, -3.0 dB

1-20. S/N Ratio

At the nominal input/output level, the S/N ratio should be as follows (DIN AUDIO):

MIC INPUT - INSERT SEND: 65 dB
LINE INPUT - INSERT SEND: 95 dB
INSERT RETURN - DIRECT OUTPUT:
95 dB (via small fader)
95 dB (via large fader)
LINE INPUT - GROUP OUTPUT: 90 dB
ST INS RTN - STEREO OUT: 90 dB
LINE INPUT - STEREO OUT:
85 dB (FROM MON switch: ON)
TAPE RETURN - STEREO OUT: 85 dB
LINE INPUT - AUX OUTPUT (any one from 1 to 4):
85 dB
TAPE RETURN - AUX OUTPUT: 85 dB

1-21. Total Harmonic Distortion (THD)

1 MIC INPUT – GROUP/STEREO OUTPUT:
Less than 0.018% (1 kHz, EQ OFF, 40 dB above nominal input level, and mic pad 30 dB ON, with an external 30 kHz low-pass filter connected)

1 LINE INPUT – GROUP/STEREO OUTPUT:
Less than 0.003% (1 KHz, EQ OFF, nominal input level, with an external 30 kHz low-pass filter connected)

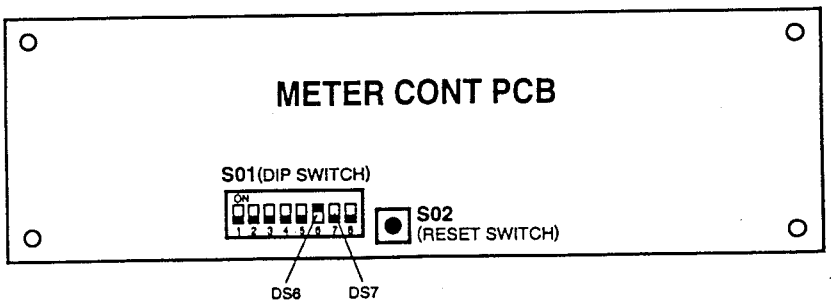
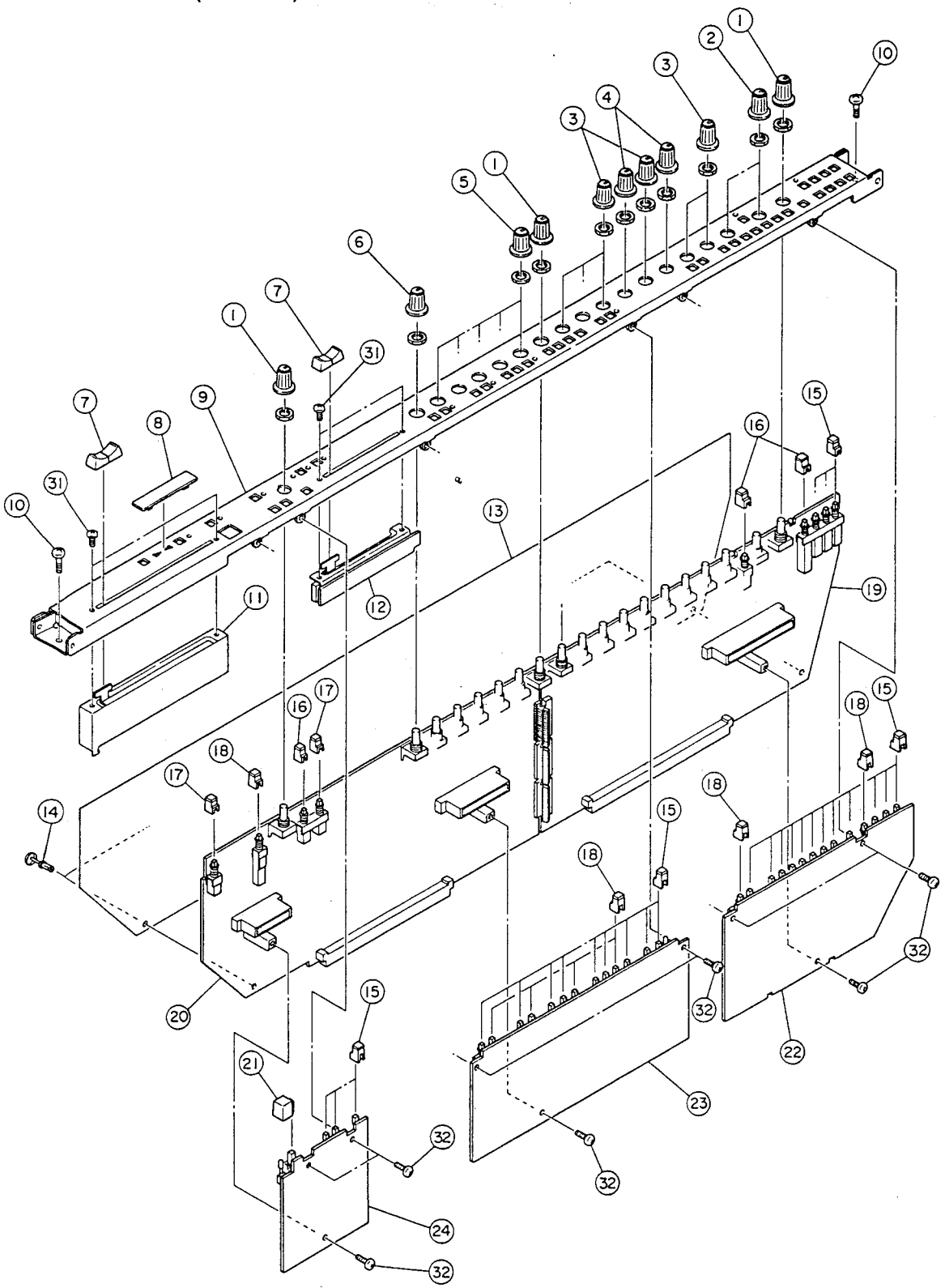


Fig. 1-5

2. EXPLODED VIEWS AND PARTS LISTS

EXPLODED VIEW 1 (IO Module)



EXPLODED VIEW 1

REF. NO.	PARTS NO.	DESCRIPTION	REMARKS
1- 1	5801631700	KNOB,R-VR N61/N63	
1- 2	M00103500A	KNOB,R-VR N61/R21	
1- 3	5801632000	KNOB,R-VR N61/B10	
1- 4	M00046000A	KNOB,R-VR N61/B12	
1- 5	5801631900	KNOB,R-VR N61/G06	
1- 6	5801631800	KNOB,R-VR N61/N66	
1- 7	5801632100	KNOB,S-VR N61/N66	
1- 8	*M00024600A	COVER,AUTOMATION	
1- 9	*5801619700	PANEL ASSY,I/O	
1-10	*B00001100A	SCREW,M4*10 MODULE	
1-11	5284017900	VR,SLIDE 10KDX2	
1-12	*5200370900	S.FDR PCB ASSY	
1-13	*5801620100	MODULE SHEET	
1-14	*5534878000	RIVET,PUSH RP-3545NB	
1-15	M00063800A	BUTTON,OFFSET WHT/N63	
1-16	M00063802A	BUTTON,OFFSET WHT/Y17	
1-17	M00063801A	BUTTON,OFFSET WHT/R21	
1-18	M00063803A	BUTTON,OFFSET WHT/G06	
1-19	*5200370400	IO(A) PCB ASSY	
1-20	*5200370500	IO(B) PCB ASSY	
1-21	5801597900	BUTTON,CUT2	
1-22	*5200370600	IO(C) PCB ASSY	
1-23	*5200370700	IO(D) PCB ASSY	
1-24	*5200370800	CUT SW PCB ASSY	
1-31	*5801148000	SCREW,BIND M3X4 (BLK)	
1-32	*5780003006	SCREW,BIND M3X6	

INCLUDED ACCESSORIES

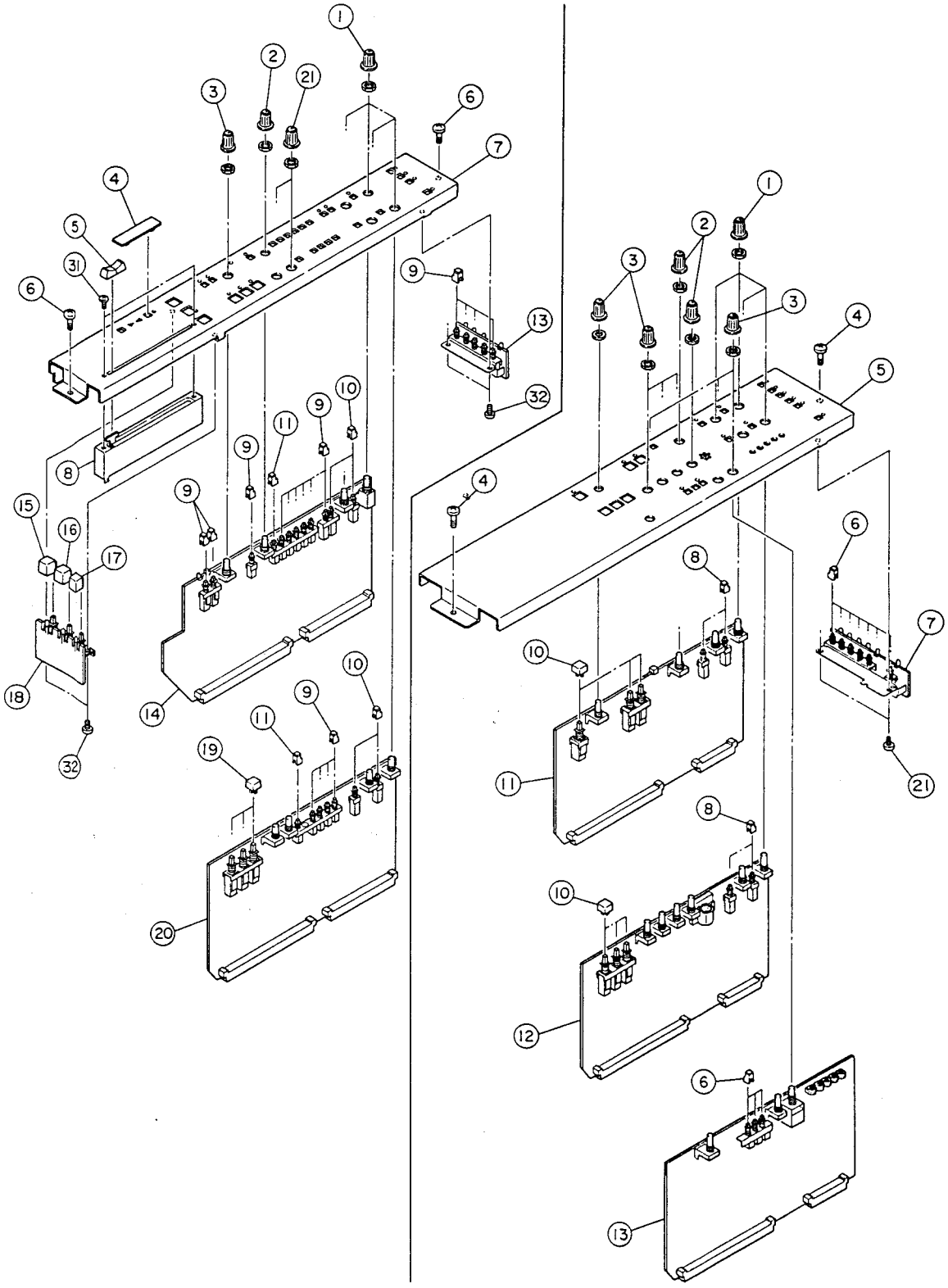
REF. NO.	PARTS NO.	DESCRIPTION	REMARKS
	*D00026100A	OWNERS MNL,M-5000 JPN [J]	
	*D00026200A	OWNERS MNL,M-5000 ENG [US,E]	
	5350516100	AC CORD ASSY	
	*5355267500	MULTI.CABLE,L	
	*5355267600	MULTI.CABLE,S	
	*5780315015	SCREW,OVAL COUNTERSUNK M5X15 NI	
	*5801512200	WASHER,ROSETTE 5X12X3	
	*5785225000	WASHER,FIBER 5X10X0.5T BLK	

[J]: JAPAN [US]: U.S.A. [E]: EUROPE

Parts marked with * require longer delivery time.

EXPLODED VIEW 2
(Master A Module)

EXPLODED VIEW 3
(Master B Module)



EXPLODED VIEW 2

REF. NO.	PARTS NO.	DESCRIPTION	REMARKS
2- 1	5801631900	KNOB,R-VR N61/G06	
2- 2	5801631800	KNOB,R-VR N61/N66	
2- 3	M00103500A	KNOB,R-VR N61/R21	
2- 4	*M00024600A	COVER,AUTOMATION	
2- 5	M00103700A	KNOB,S-VR N61/R21	
2- 6	*B00001100A	SCREW,M4*10 MODULE	
2- 7	*5801620200	PANEL,MASTER(A)	
2- 8	5284017800	VR,SLIDE 10KD	
2- 9	M00063800A	BUTTON,OFFSET WHT/N63	
2-10	M00063801A	BUTTON,OFFSET WHT/R21	
2-11	M00063802A	BUTTON,OFFSET WHT/Y17	
2-13	*5200372000	MSW(A) PCB ASSY	
2-14	*5200371800	MASTER(A) PCB ASSY	
2-15	5801598000	BUTTON,CUTA	
2-16	5801598100	BUTTON,CUTB	
2-17	5801598200	BUTTON,CUTC	
2-18	*5200372100	CUT MASTER PCB ASSY	
2-19	M00063900A	BUTTON,11*11 N63	
2-20	*5200371900	MASTER(B) PCB ASSY	
2-21	M00046000A	KNOB,R-VR N61/B12	
2-31	*5801148000	SCREW,BIND M3X4 (BLK)	
2-32	*5780003006	SCREW,BIND M3X6	

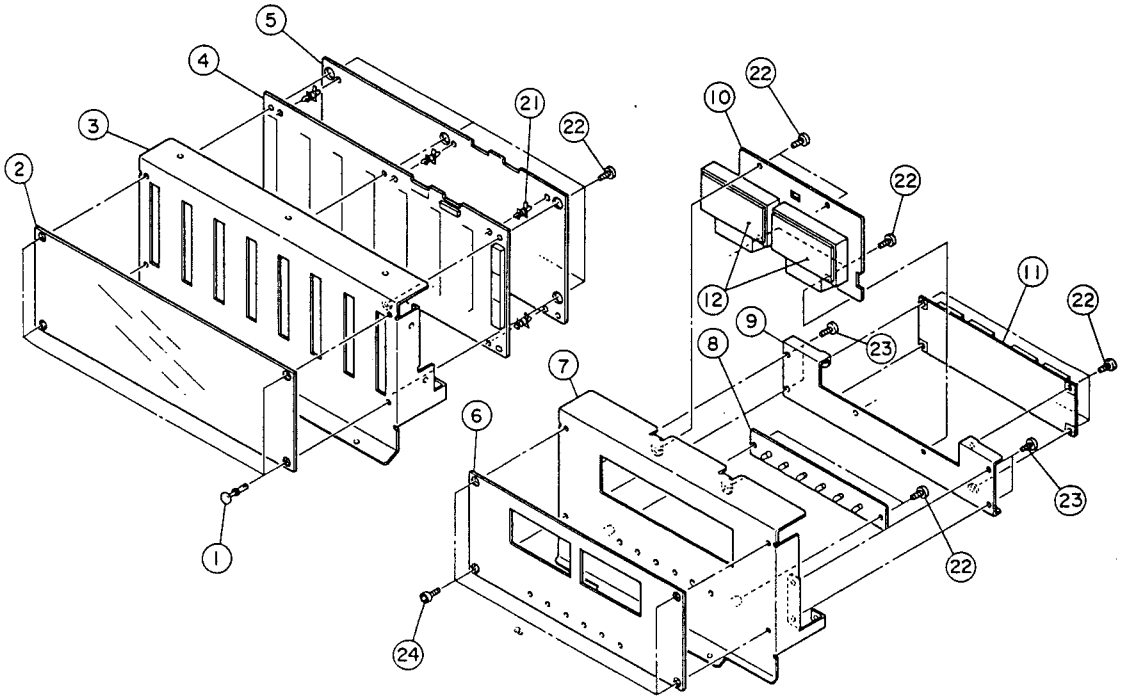
EXPLODED VIEW 3

REF. NO.	PARTS NO.	DESCRIPTION	REMARKS
3- 1	5801631900	KNOB,R-VR N61/G06	
3- 2	M00103500A	KNOB,R-VR N61/R21	
3- 3	5801631800	KNOB,R-VR N61/N66	
3- 4	*B00001100A	SCREW,M4*10 MODULE	
3- 5	*5801620300	PANEL,MASTER(B)	
3- 6	M00063800A	BUTTON,OFFSET WHT/N63	
3- 7	*5200372500	MSW(B) PCB ASSY	
3- 8	M00063801A	BUTTON,OFFSET WHT/R21	
3-10	M00063900A	BUTTON,11*11 N63	
3-11	*5200372300	MASTER(C) PCB ASSY	
3-12	*5200372400	MASTER(D) PCB ASSY	
3-13	*5200372700	MASTER(E) PCB ASSY	
3-21	*5780003006	SCREW,BIND M3X6	

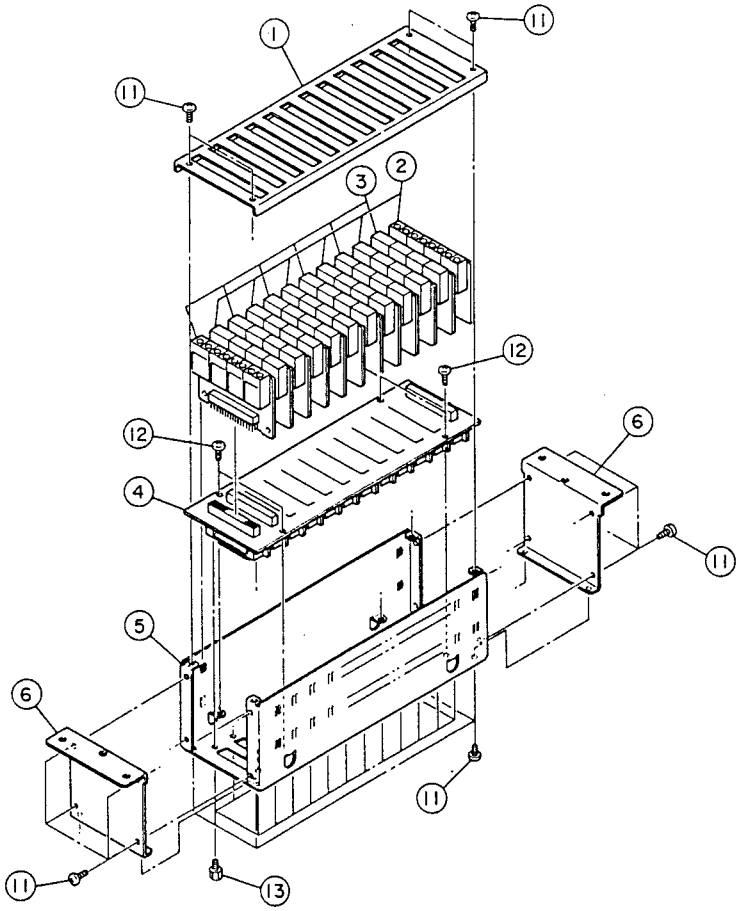
[J]: JAPAN [US]: U.S.A. [E]: EUROPE

Parts marked with * require longer delivery time.

EXPLODED VIEW 4 (Meter Section)



EXPLODED VIEW 5
(Patch Bay Unit)



EXPLODED VIEW 4

REF. NO.	PARTS NO.	DESCRIPTION	REMARKS
4- 1	*5534878000	RIVET,PUSH RP-3545-NB	
4- 2	*5801625400	WINDOW,METER	
4- 3	*5801624500	METER PANEL(A)ASSY	
4- 4	*5200373700	METER(B) PCB ASSY	
4- 5	*5200373600	METER(A) PCB ASSY	
4- 6	*5801625600	COVER,VU	
4- 7	*5801624800	PANEL(B),METER	
4- 8	*5200371300	INDICATE PCB ASSY	
4- 9	*5801625700	SUPPORT,MT CON	
4-10	*5200210210	METER PCB ASSY	
4-11	*5200373200	METER CONT PCB ASSY	
4-12	5296006101	METER,VU	
4-21	*5787070400	SUPPORT,PCB MSPLS-4	
4-22	*5780003006	SCREW,BIND M3X6	
4-23	*5783533008	SCREW,BIND B-TITE M3X8(BLK NI)	
4-24	*5781783006	BOLT,M3X6(BLK NI)	

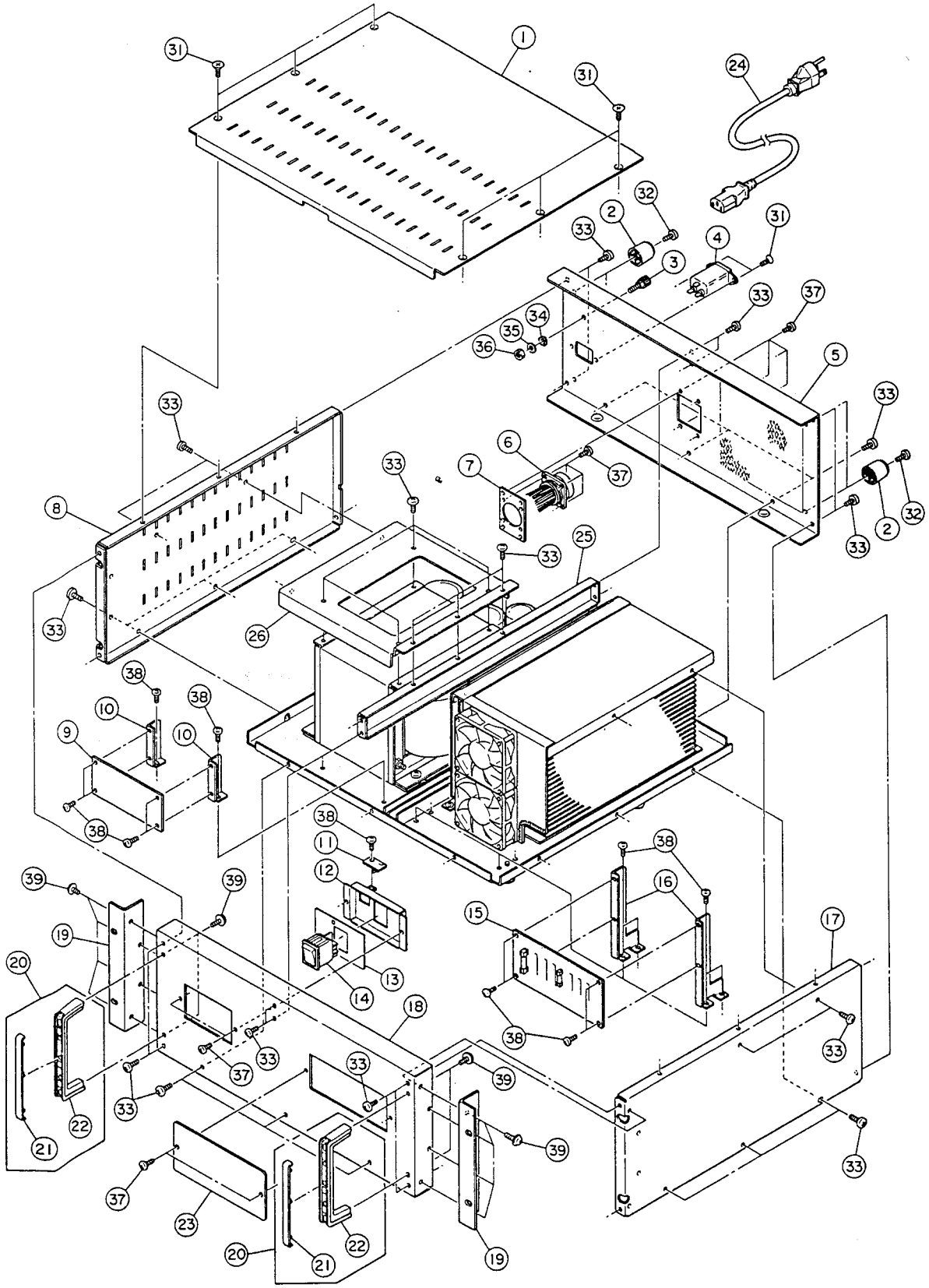
EXPLODED VIEW 5

REF. NO.	PARTS NO.	DESCRIPTION	REMARKS
5- 1	*5801626800	PB PANEL,1-8	
	*5801626900	PB PANEL,9-16	
	*5801627000	PB PANEL,17-24	
	*5801627100	PB PANEL,25-32	
	*5801627200	PB PANEL,33-40 [M-5040]	
	*M00051200A	PB PANEL,BLANK [M-5032]	
	*M00051100A	PB PANEL,ST [EK-5000]	
5- 2	*5200374700	BANTAM PCB ASSY OUT	
5- 3	*5200374710	BANTAM PCB ASSY IN	
5- 4	*5200377600	PATCH BUSS PCB ASSY	
5- 5	*5801626600	PB CHASSIS,A	
	*M00085600A	PB CHASSIS,BLANK [M-5032]	
5- 6	*5801626700	PB CHASSIS,B	
5-11	*5783533008	SCREW,BIND B-TITE M3X8(BLK NI)	
5-12	*5780003006	SCREW,BIND M3X6	
5-13	*5801536400	SCREW,DSUB LOCK M2.6X0.45	

[J]: JAPAN [US]: U.S.A. [E]: EUROPE

Parts marked with * require longer delivery time.

EXPLODED VIEW 6 (PS-5000)



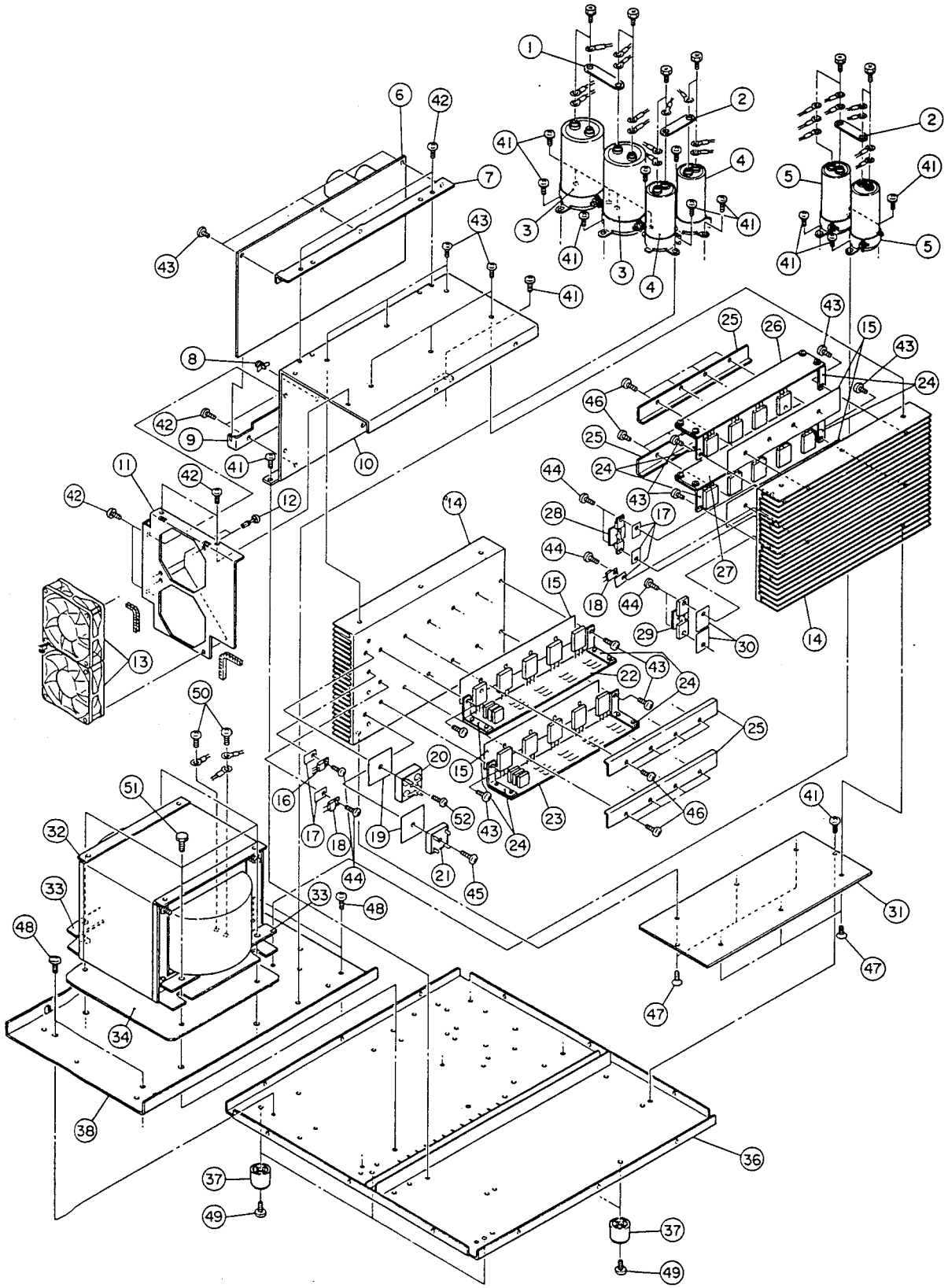
EXPLODED VIEW 6

REF. NO.	PARTS NO.	DESCRIPTION	REMARKS
6- 1	*5801618100	COVER,TOP	
6- 2	5504676000	FOOT,TRANS.	
6- 3	5045407100	TERMINAL,GND	
6- 4	⚠ *5292813800	FILTER,NOISE SUP-J15G-E	
6- 5	*5801618000	PANEL,PS REAR	
6- 6	E00033100A	CABLE ASSY,OUT	
6- 7	*5801617700	BRACKET,CONNECTOR	
6- 8	*5801618400	PLATE,SIDE L	
6- 9	*5200374500	POWER SW PCB ASSY	
6-10	*5801617300	HOLDER B,PCB	
6-11	*5200378000	P.L.PCB ASSY	
6-12	*5801617600	BRACKET,SWITCH	
6-13	*M00017300A	PANEL,SW	
6-14	⚠ 5300061000	SWITCH,POWER SDDJC3	
6-15	*5200374400	FUSE PCB ASSY	
6-16	*5801617400	HOLDER C,PCB	
6-17	*5801618500	PLATE,SIDE R	
6-18	*5801617500	PANEL,PS FRONT	
6-19	*5801618700	ANGLE,4U	
6-20	*1796734700	HANDLE ASSY	
6-21	*1678775200	CAP,HANDLE	
6-22	*1675731800	HANDLE	
6-23	*5801619500	COVER,A	
6-24	⚠ 15922303	AC CORD ASSY,3-WIRED [E]	
	⚠ E0007410	AC CORD,SJT3/16AWG [US]	
	⚠ 5350014800	AC CORD [J]	
6-25	*M00092000A	STAY,PS-5000	
6-26	*M00092100A	HOLDER,TRANSFORMER	
6-31	*5780223006	SCREW,FLAT H. M3X6(BLK NI)	
6-32	*5783004018	SCREW,S-TITE PAN M4X18	
6-33	*5783534008	SCREW,BIND B-TITE M4X8(BLK NI)	
6-34	*5785124000	WASHER,LOCK 4.0	
6-35	*5785014000	WASHER,FLAT M4 (0.5T)	
6-36	*5781814000	NUT,#1 M4	
6-37	*5780023006	SCREW,BIND M3X6(BLK NI)	
6-38	*5780003006	SCREW,BIND M3X6	
6-39	*5783114008	SCREW,FLANGE M4X8 (BLK NI)	

[J]: JAPAN [US]: U.S.A. [E]: EUROPE

Parts marked with * require longer delivery time.

EXPLODED VIEW 7 (PS-5000)



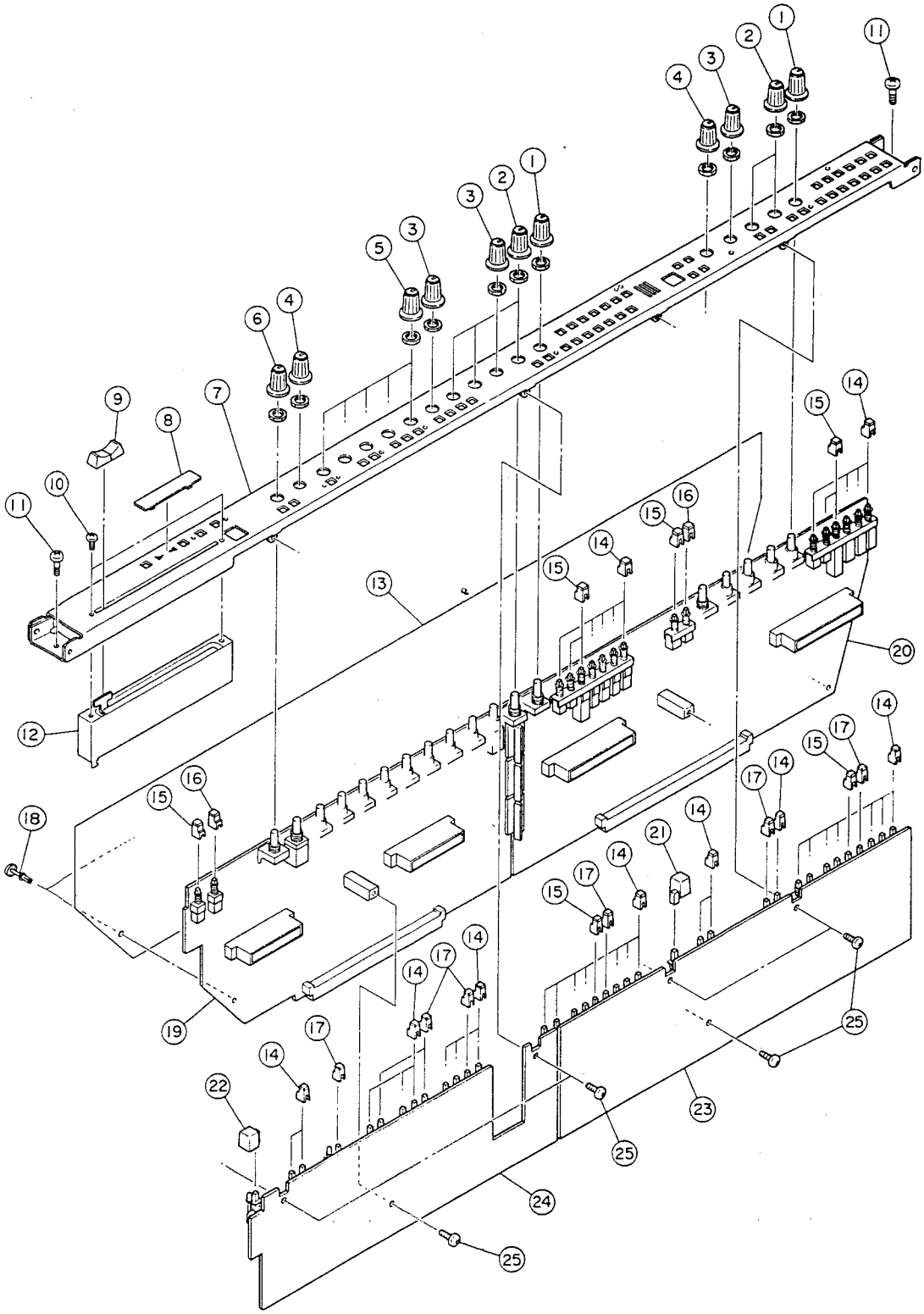
EXPLODED VIEW 7

REF. NO.		PARTS NO.	DESCRIPTION	REMARKS
7- 1		*5801617800	PLATE A,CU	
7- 2		*5801617900	PLATE B,CU	
7- 3	⚠	5262019600	C,ELEC. SME 56000UF/50V	
7- 4	⚠	5262019700	C,ELEC. SME 33000UF/35V	
7- 5	⚠	5262019800	C,ELEC. SME 18000UF/50V	
7- 6		*5200373900	POWER SUPPLY PCB ASSY	
7- 7		*5801618200	HOLDER D,PCB	
7- 8		*5787030400	SUPPORT,PCB PS-4NS	
7- 9		*5801618300	HOLDER E,PCB	
7-10		*5801619100	COVER,DUCT	
7-11		*5801617000	BRACKET,FAN	
7-12		*5786612400	RIVET,PUSH RP-4080-NB	
7-13	⚠	5370011600	MOTOR,DC FAN FBA08A12MZ	
7-14		*5801616900	HEAT SINK	
7-15		*M00017500A	SHEET,RADIATOR B	
7-16	⚠	5231762800	TR,2SD1913R	
7-17		*M0004570	SHEET,RADIATOR D	
7-18		*5347029300	THERMOSTAT,67L085	
7-19		*M00017400A	SHEET,RADIATOR A	
7-20	⚠	S0004560	DIODE,25G4B42	
7-21		5224020000	DIODE,GBPC2504	
7-22		*5200374200	RESISTOR(C)PCB ASSY	
7-23		*5200374300	RESISTOR(D)PCB ASSY	
7-24		*5801617200	HOLDER A,PCB	
7-25		*5801619300	SUPPORT,TR	
7-26		*5200374100	RESISTOR(B)PCB ASSY	
7-27		*5200374000	RESISTOR(A)PCB ASSY	
7-28		*5210377800	DIODE A PCB	
	⚠	5224019600	DIODE BRIDGE,C25P40F	
	⚠	5224019700	DIODE BRIDGE,C25P40FR	
7-29		*5210377900	DIODE B PCB	
	⚠	5224019800	DIODE BRIDGE,F10P40F	
	⚠	5224019900	DIODE BRIDGE,F10P40FR	
7-30		*M0004560	SHEET,RADIATOR C	
7-31		*5801619600	HOLDER,HEAT SINK	
7-32	⚠	5320065200	TRANSFORMER,POWER	
7-33		*5801619000	SUPPORT,TRANSFORMER	
7-34		*5801618900	SPACER,TRANSFORMER	
7-36		*M00091800A	BOTTOM PANEL ASSY	
7-37		5504676000	FOOT,TRANS.	
7-38		*M00091900A	BASE,TRANSFORMER	
7-41		*5780143006	SCREW,PAN SEMS B M3X6	
7-42		*5783533008	SCREW,BIND B-TITE M3X8(BLK NI)	
7-43		*5780003006	SCREW,BIND M3X6	
7-44		*5780013006	SCREW,BIND M3X6(NI)	
7-45		*5780014010	SCREW,BIND M4X10(NI)	
7-46		*5780003010	SCREW,BIND M3X10	
7-47		*5780203006	SCREW,FLAT HEAD M3X6	
7-48		*5783534008	SCREW,BIND B-TITE M4X8(BLK NI)	
7-49		*5783004018	SCREW,S-TITE PAN M4X18	
7-50		*5780004008	SCREW,BIND M4X8	
7-51		*B00019100A	BOLT,HEXAGON HEAD M6X14	
7-52		*5780004018	SCREW,BIND M4X18	

[J]: JAPAN [US]: U.S.A. [E]: EUROPE

Parts marked with * require longer delivery time.

EXPLODED VIEW 8 (Stereo Module)



EXPLODED VIEW 8 (MODEL 5001ST STEREO MODULE)

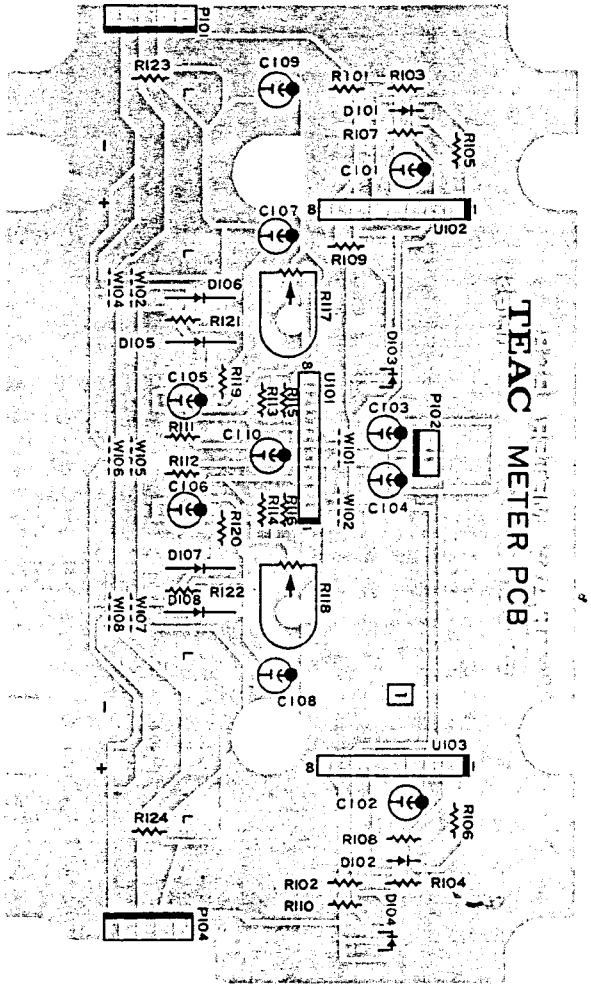
REF. NO.	PARTS NO.	DESCRIPTION	REMARKS
8- 1	M00103500A	KNOB,R-VR N61/R21	
8- 2	5801632000	KNOB,R-VR N61/B10	
8- 3	5801631700	KNOB,R-VR N61/N63	
8- 4	5801631800	KNOB,R-VR N61/N66	
8- 5	5801631900	KNOB,R-VR N61/G06	
8- 6	M00046000A	KNOB,R-VR N61/B12	
8- 7	*5801628000	ST PANEL ASSY	
8- 8	*M00024600A	COVER,AUTOMATION	
8- 9	5801632100	KNOB,S-VR N61/N66	
8-10	*5801148000	SCREW,BIND M3X4(BLK)	
8-11	*B00001100A	SCREW,M4*10 MODULE	
8-12	5284017800	VR,SLIDE 10KDX2	
8-13	*5801620100	SHEET,MODULE	
8-14	M00063800A	BUTTON,OFFSET WHT/N63	
8-15	M00063802A	BUTTON,OFFSET WHT/Y17	
8-16	M00063801A	BUTTON,OFFSET WHT/R21	
8-17	M00063803A	BUTTON,OFFSET WHT/G06	
8-18	*5534878000	RIVET,PUSH RP-3545-NB	
8-19	*5200375200	ST(B)PCB ASSY	
8-20	*5200375100	ST(A)PCB ASSY	
8-21	5801597800	BUTTON,CUT1	
8-22	5801597900	BUTTON,CUT2	
8-23	*5200375300	ST(C)PCB ASSY	
8-24	*5200375400	ST(D)PCB ASSY	
8-25	*5780003006	SCREW,BIND M3X6	

[J]: JAPAN [US]: U.S.A. [E]: EUROPE

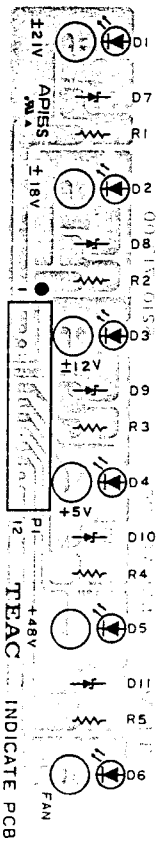
Parts marked with * require longer delivery time.

3. PC BOARDS AND PARTS LISTS

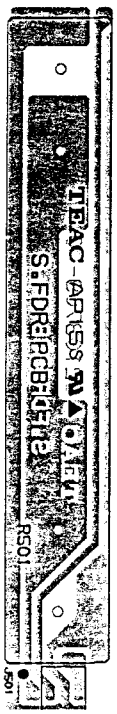
METER PCB ASSY



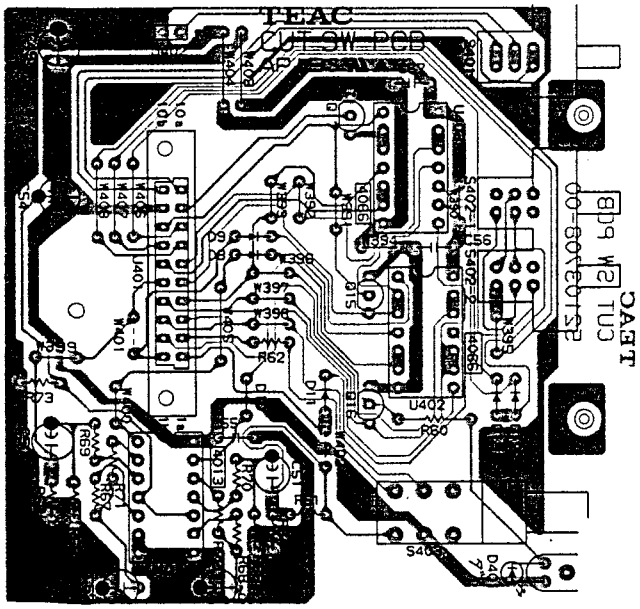
INDICATE PCB ASSY



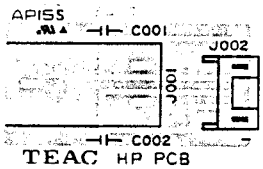
S.FDR PCB ASSY



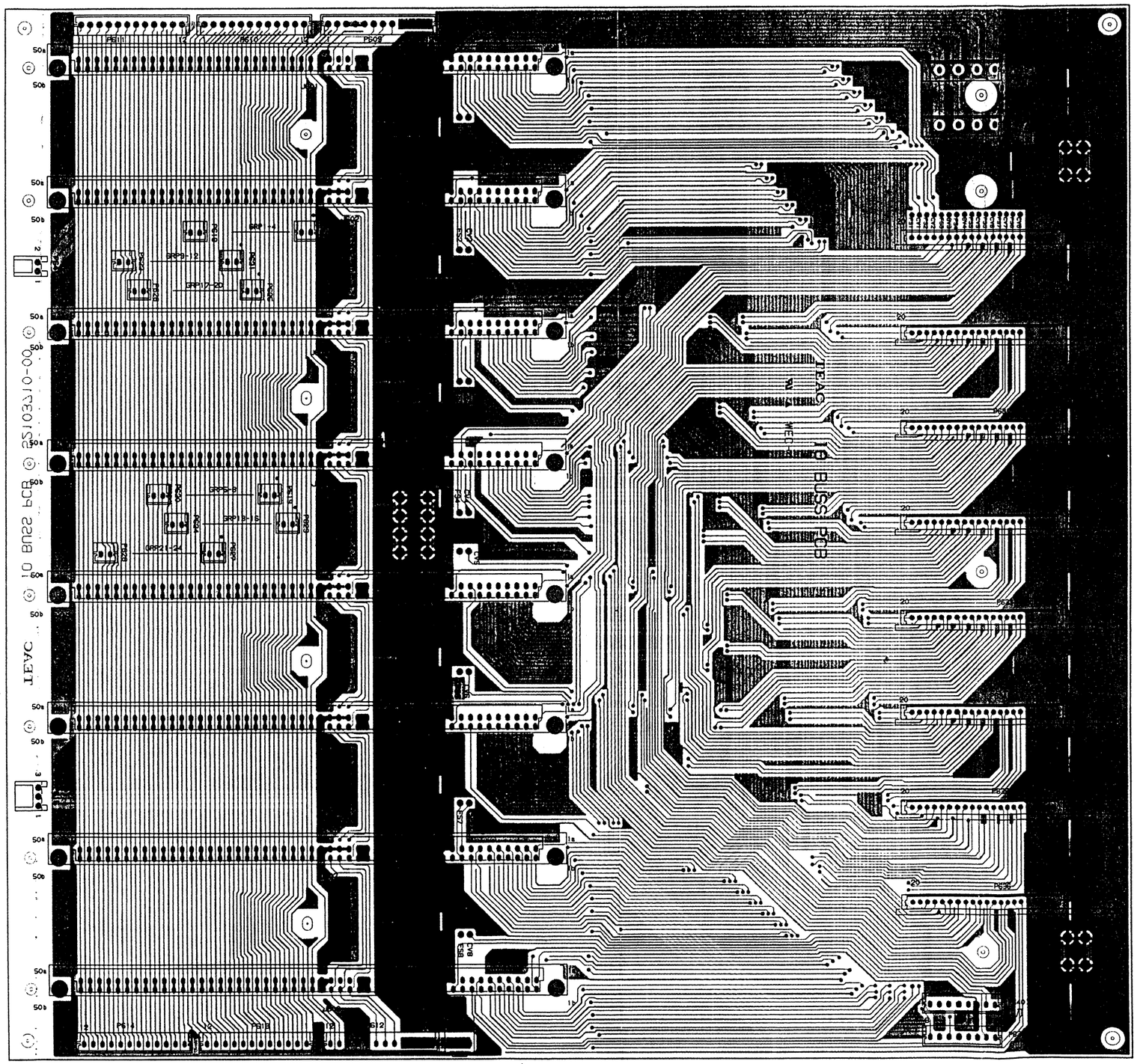
CUT SW PCB ASSY



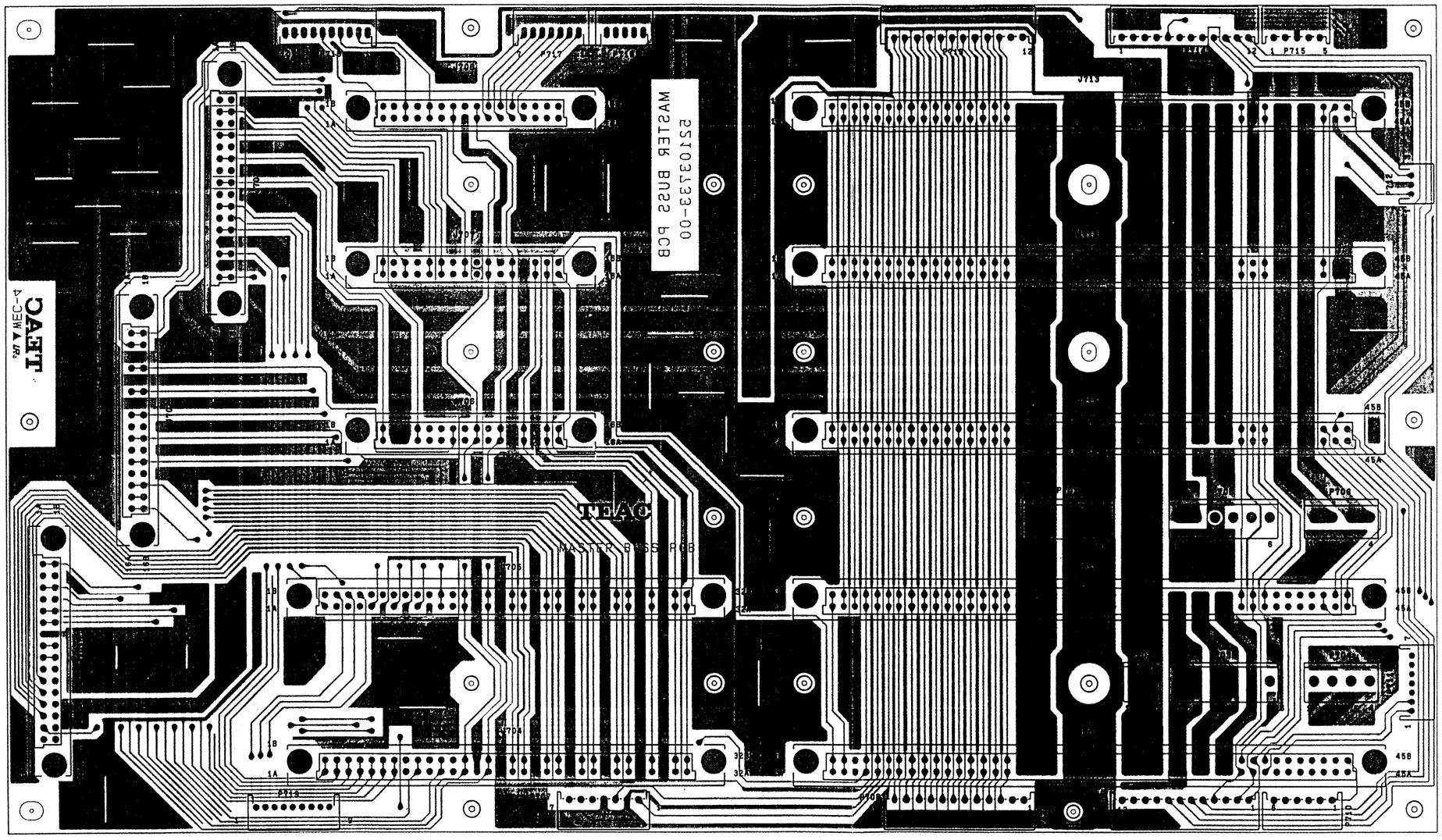
HP PCB ASSY



IO BUSS PCB ASSY



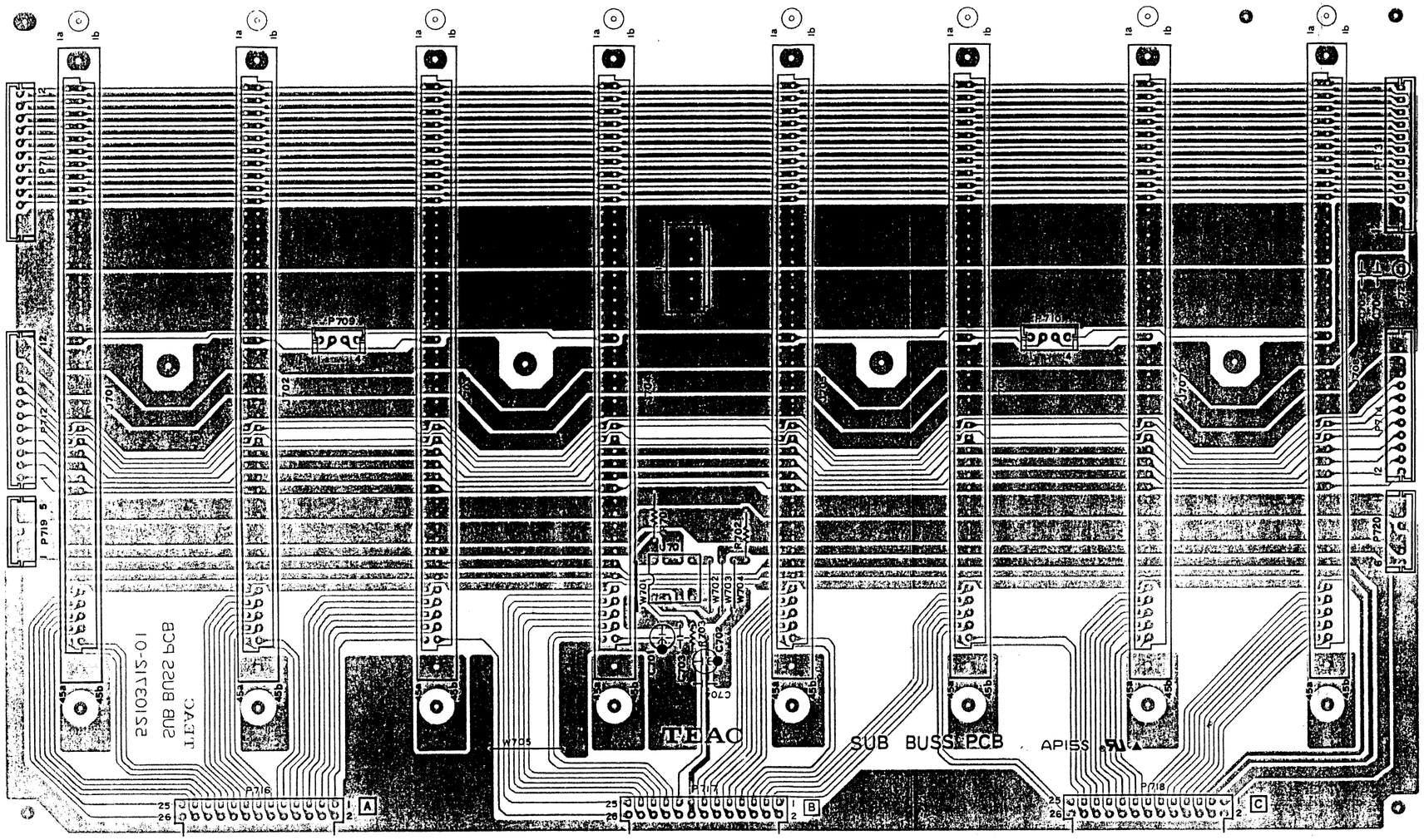
MASTER BUSS PCB ASSY



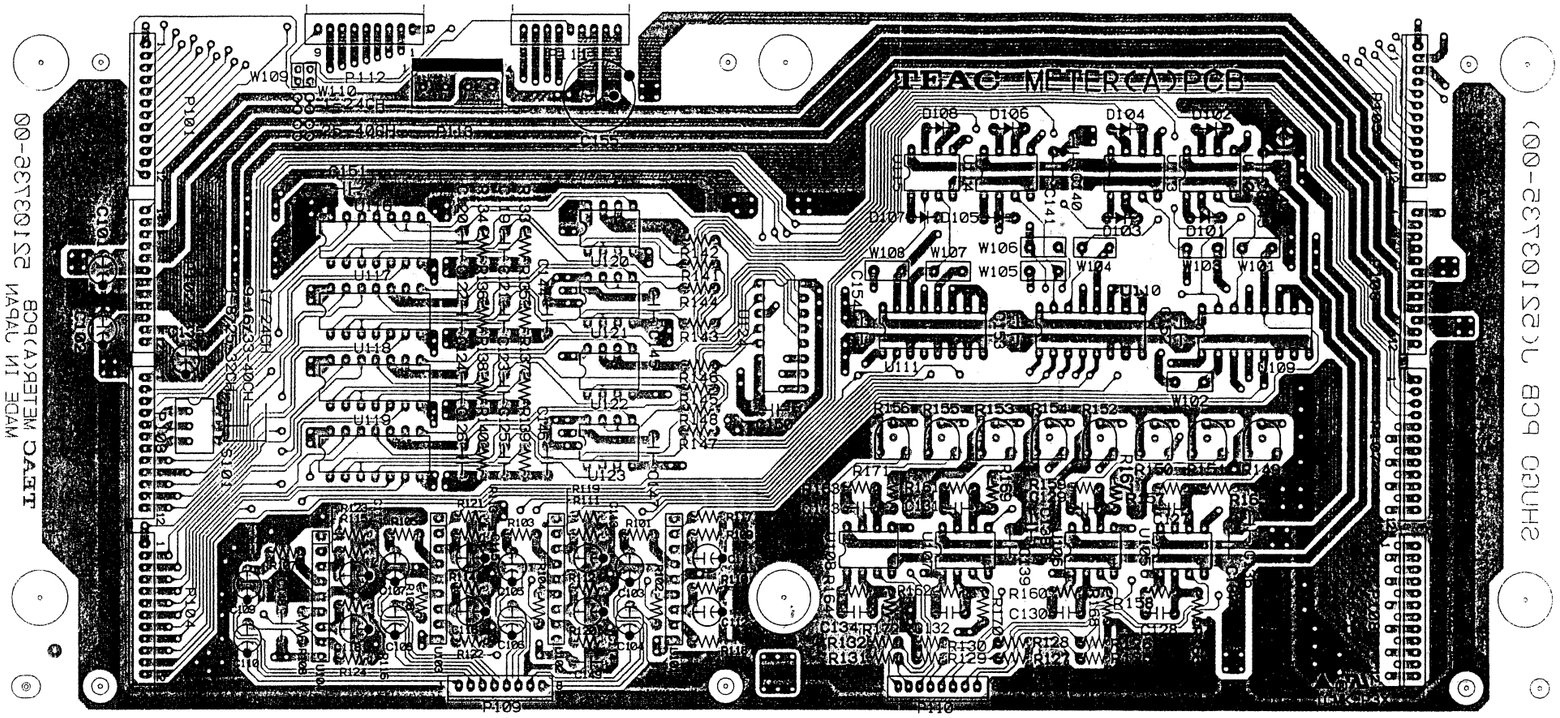
DIODE (A) PCB

DIODE (B) PCB

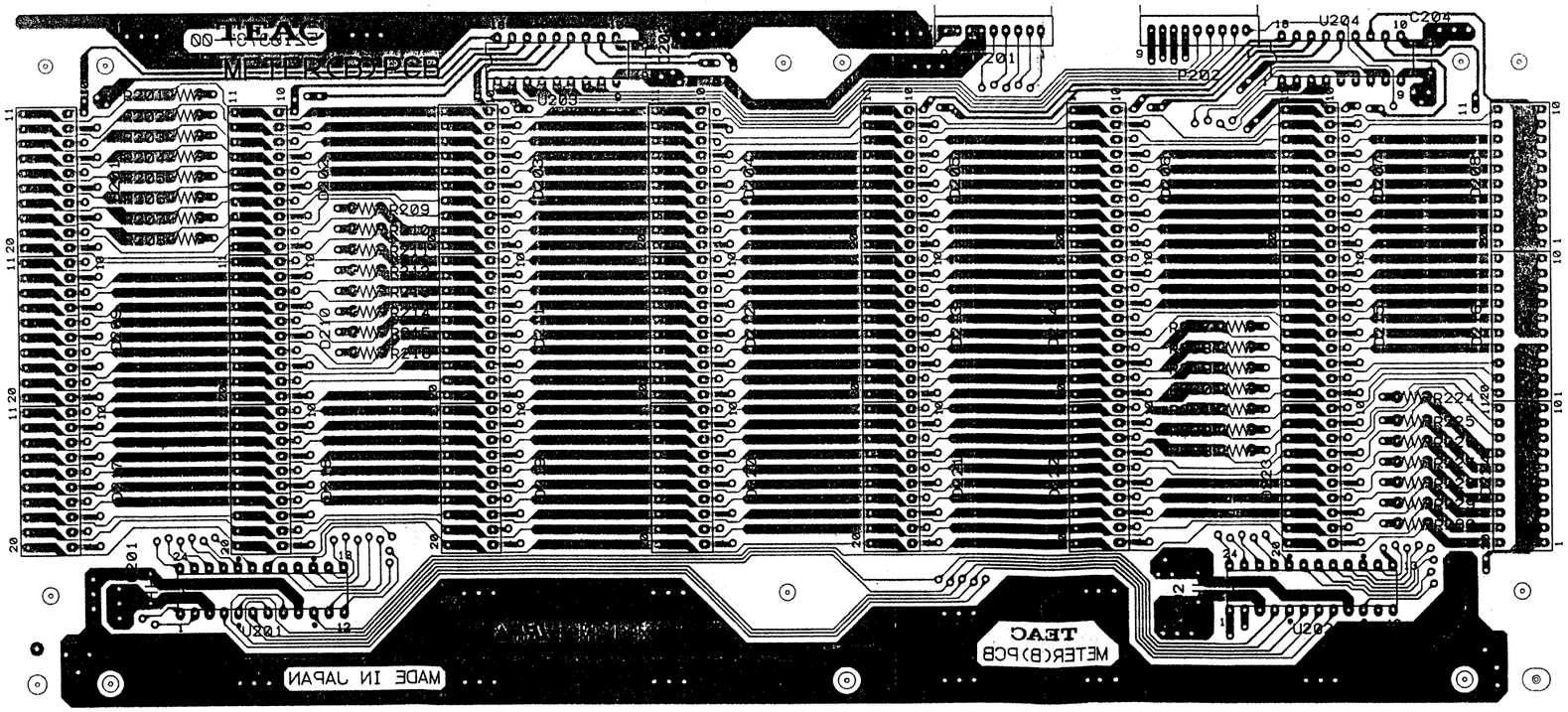
SUB BUSS PCB ASSY



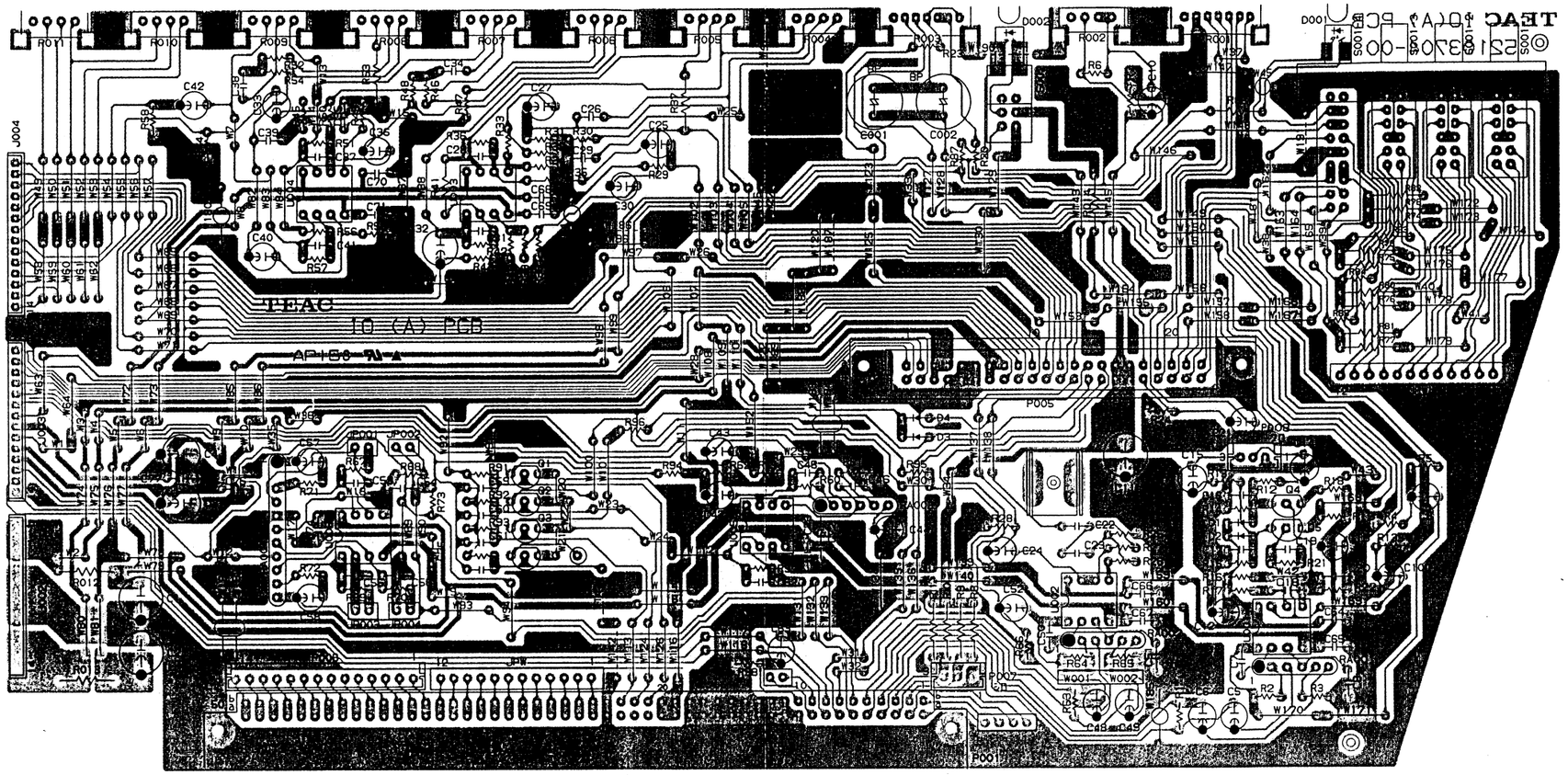
METER (A) PCB ASSY



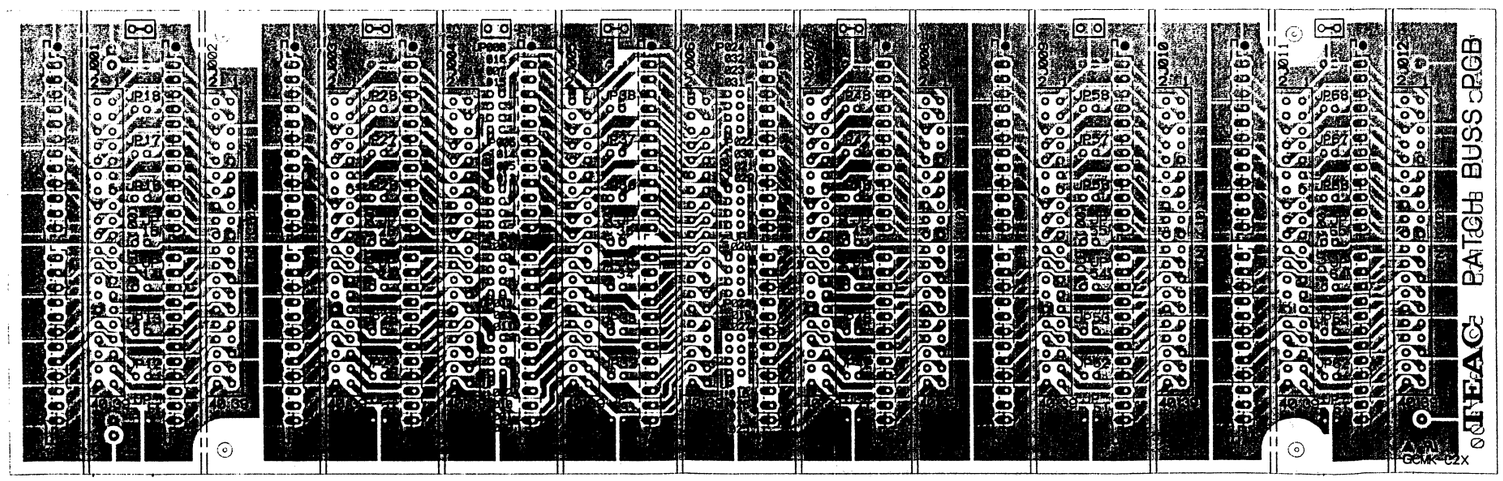
METER (B) PCB ASSY



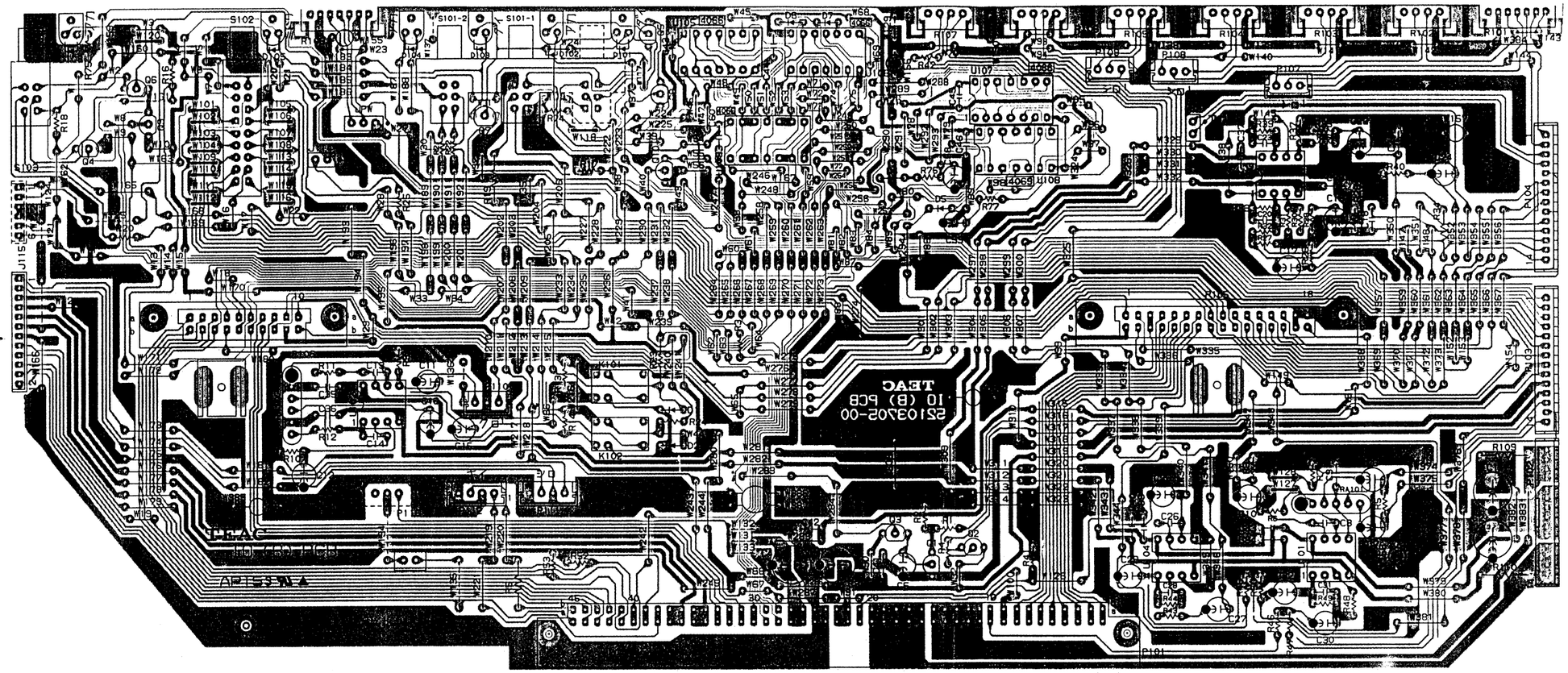
IO (A) PCB ASSY



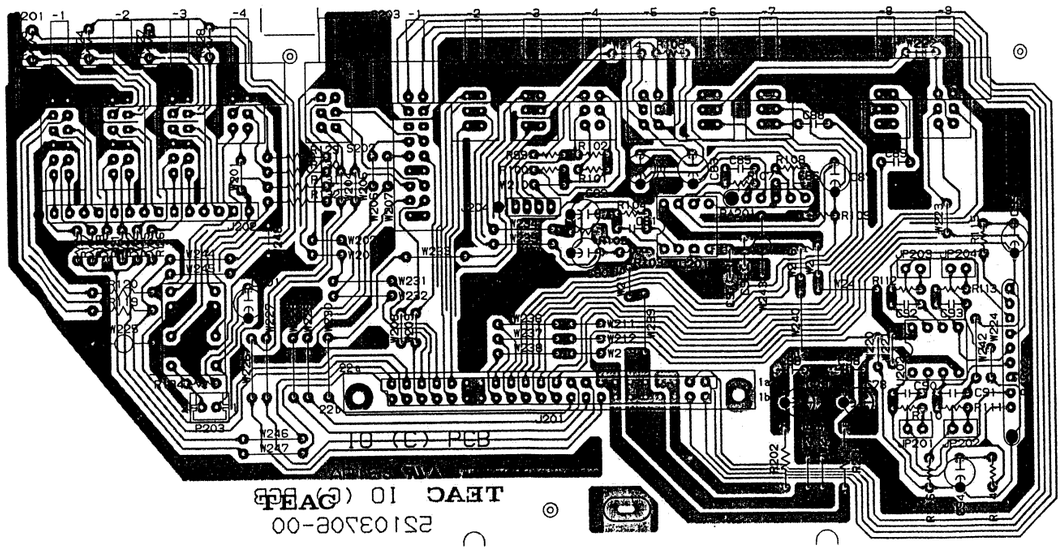
PATCH BUSS PCB ASSY



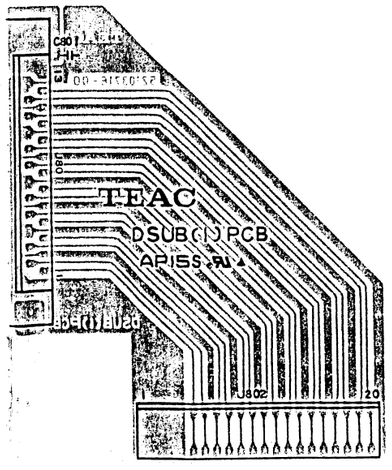
IO (B) PCB ASSY



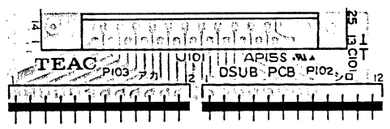
IO (C) PCB ASSY



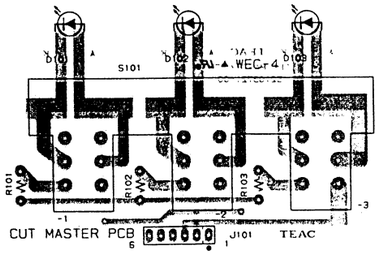
DSUB (I) PCB ASSY



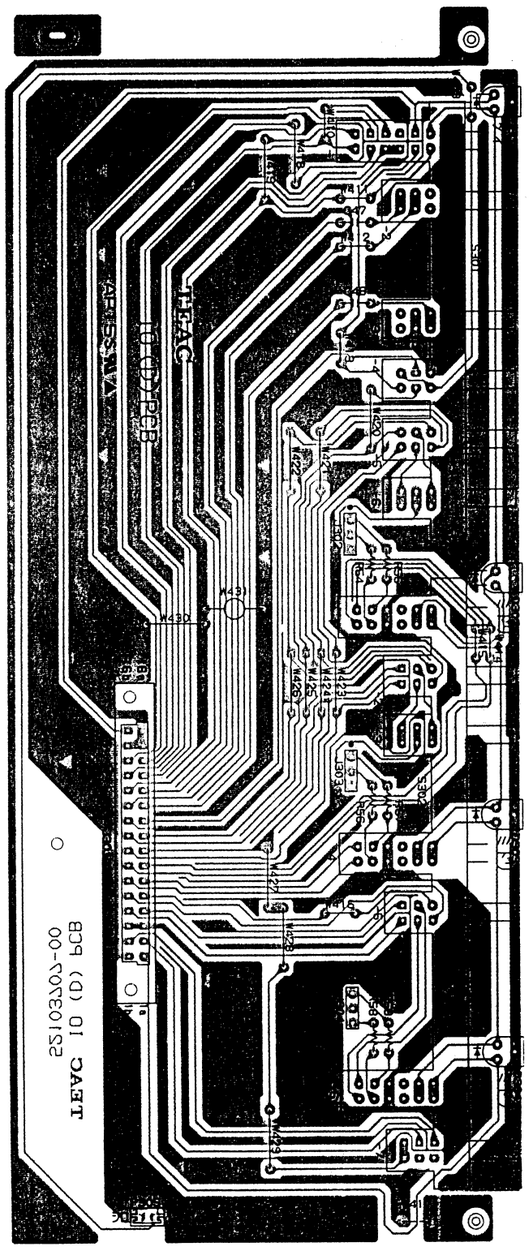
DSUB PCB ASSY MASTER



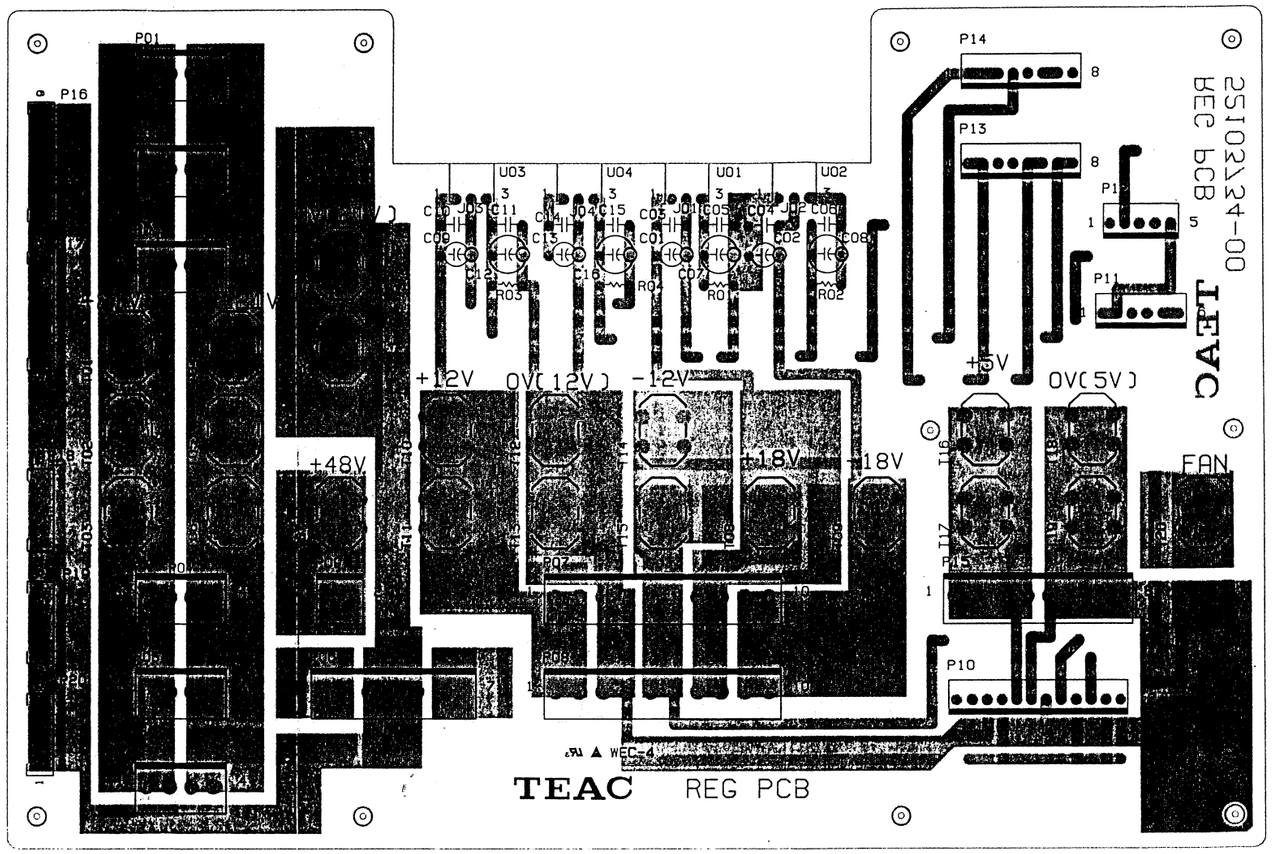
CUT MASTER PCB ASSY



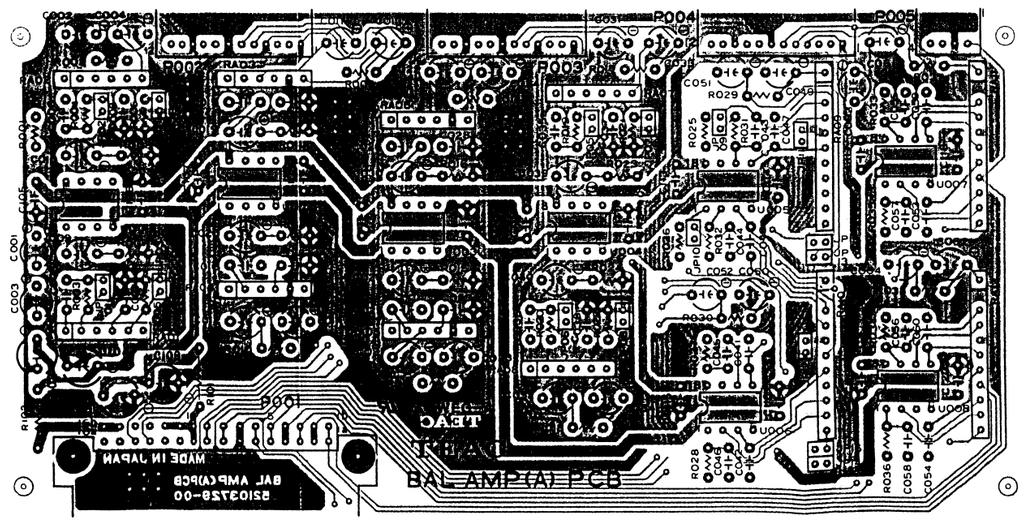
IO (D) PCB ASSY



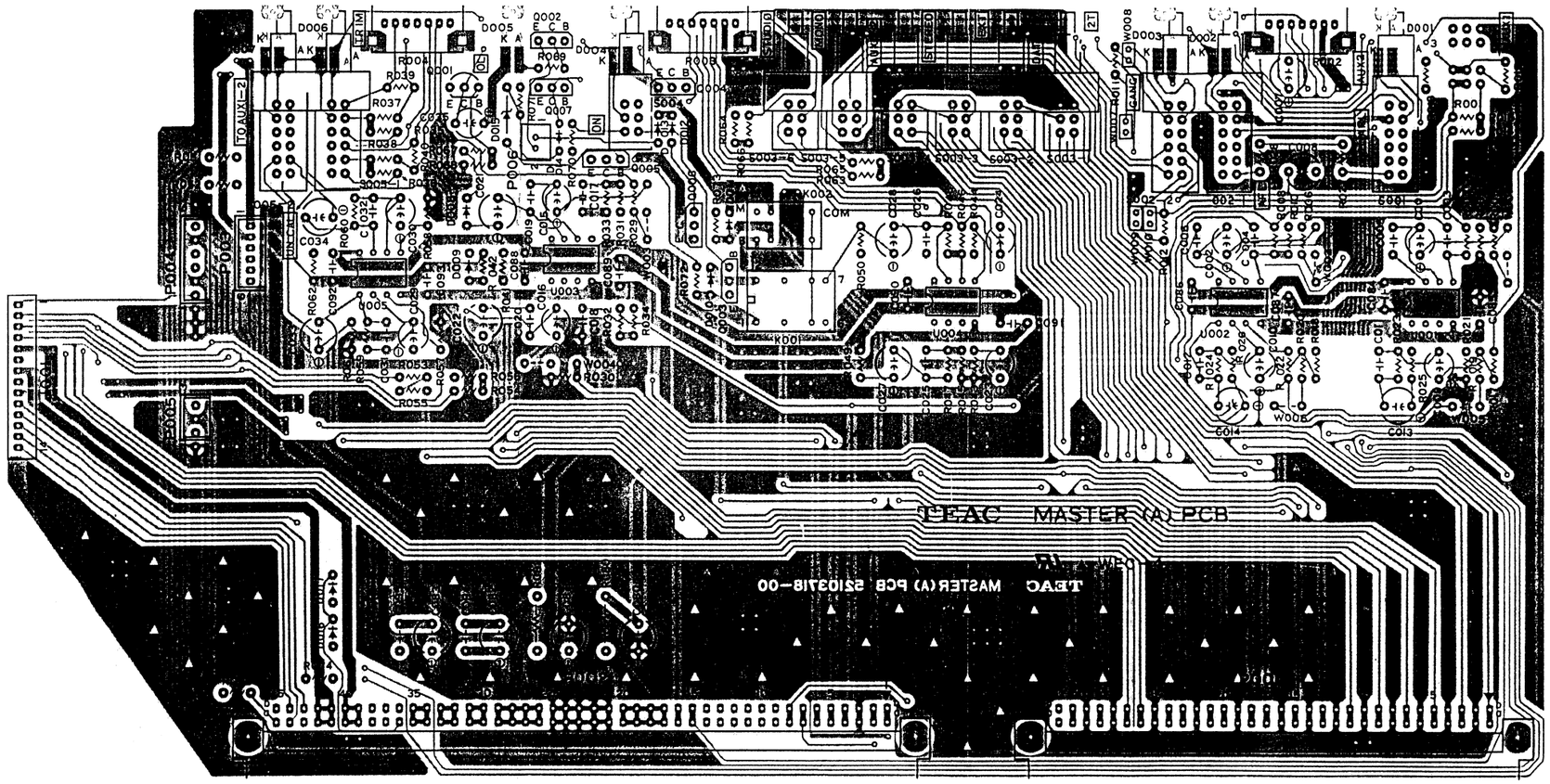
REG PCB ASSY



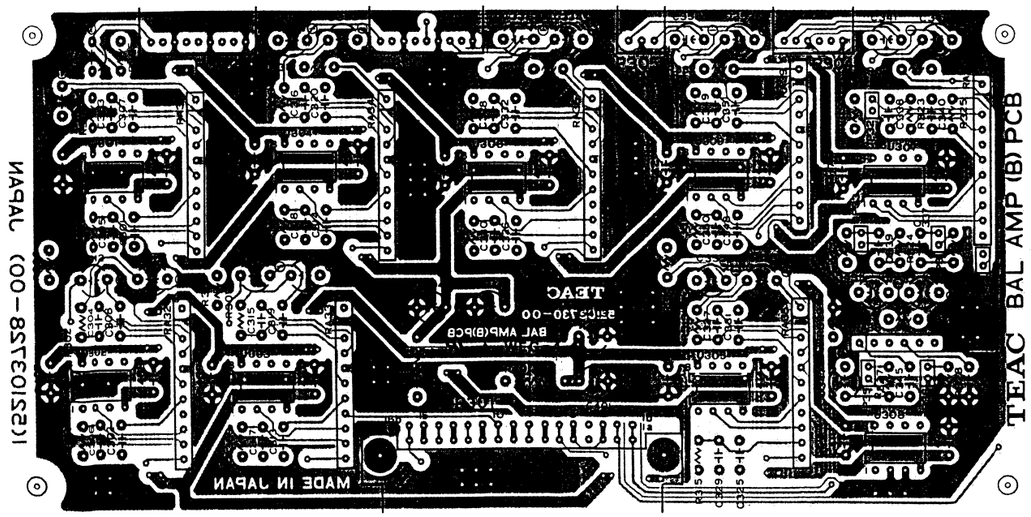
BAL AMP (A) PCB ASSY



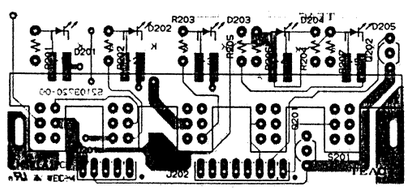
MASTER (A) PCB ASSY



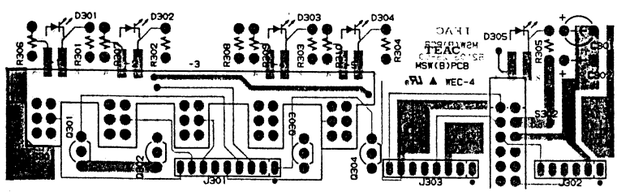
BAL AMP (B) PCB ASSY



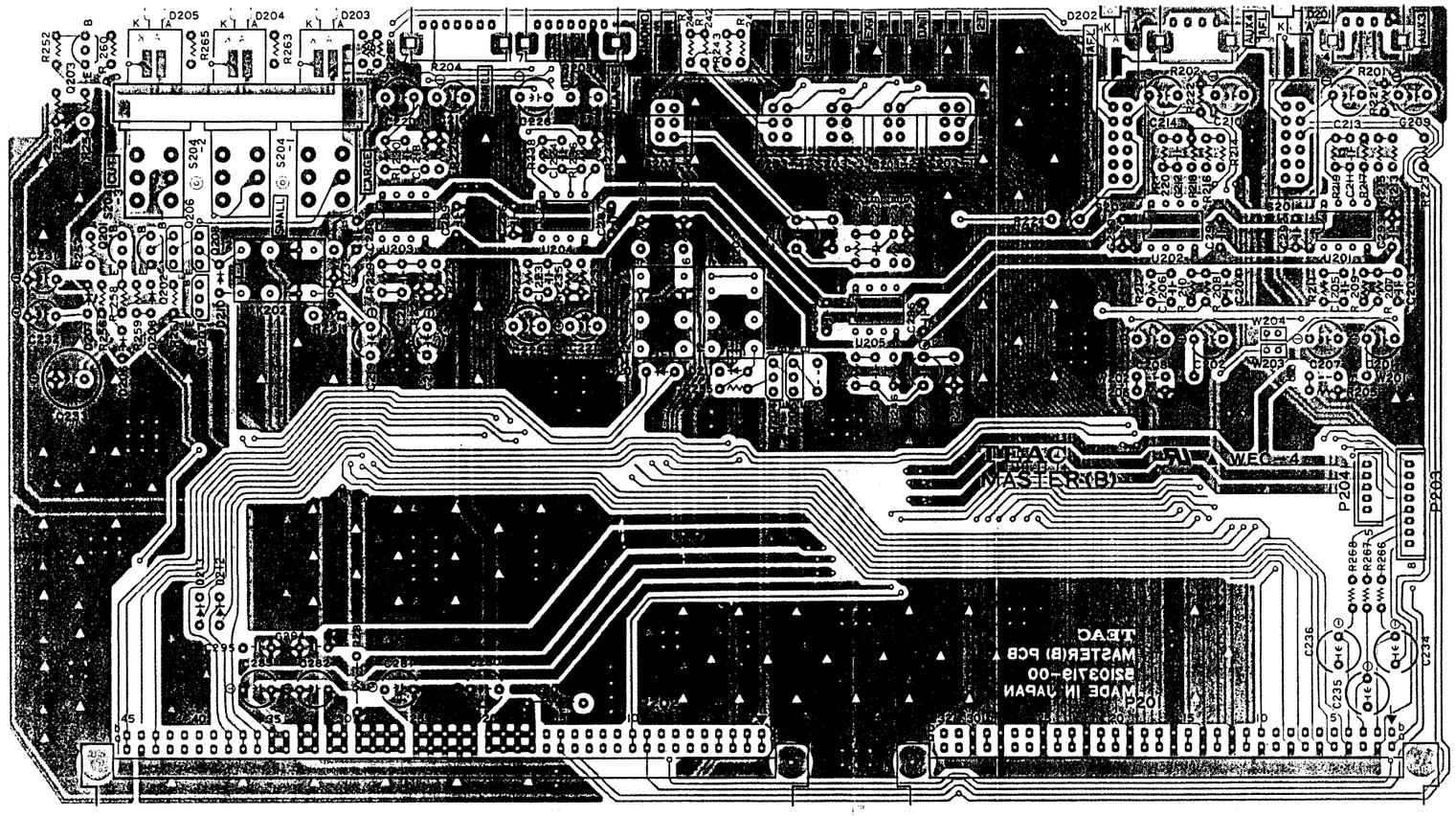
MSW (A) PCB ASSY



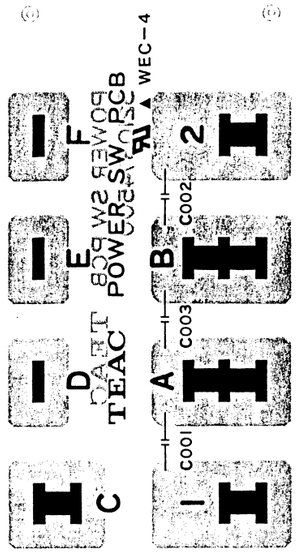
MSW (B) PCB ASSY



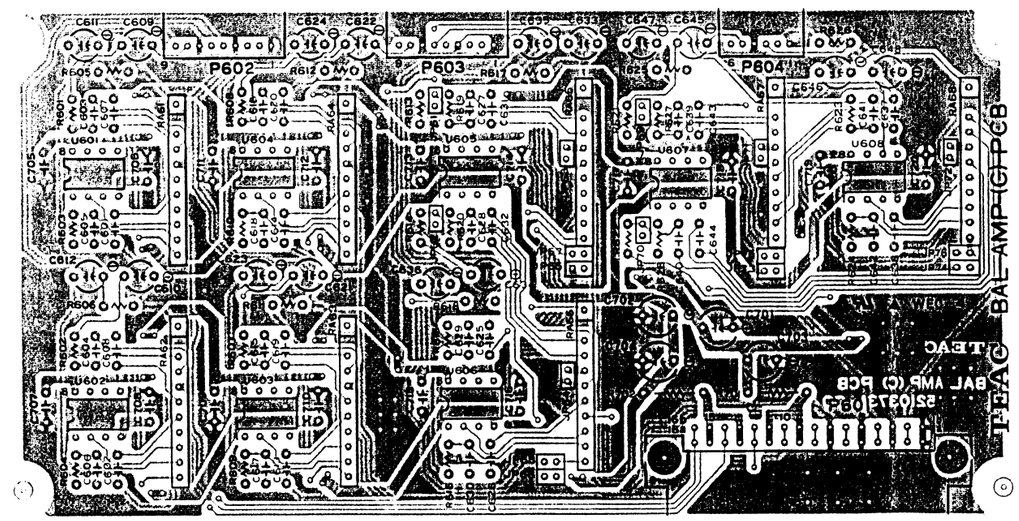
MASTER (B) PCB ASSY



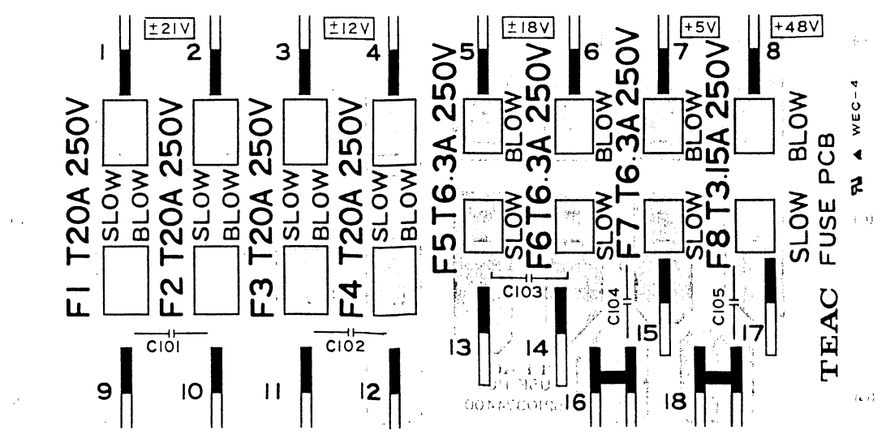
POWER SW PCB ASSY



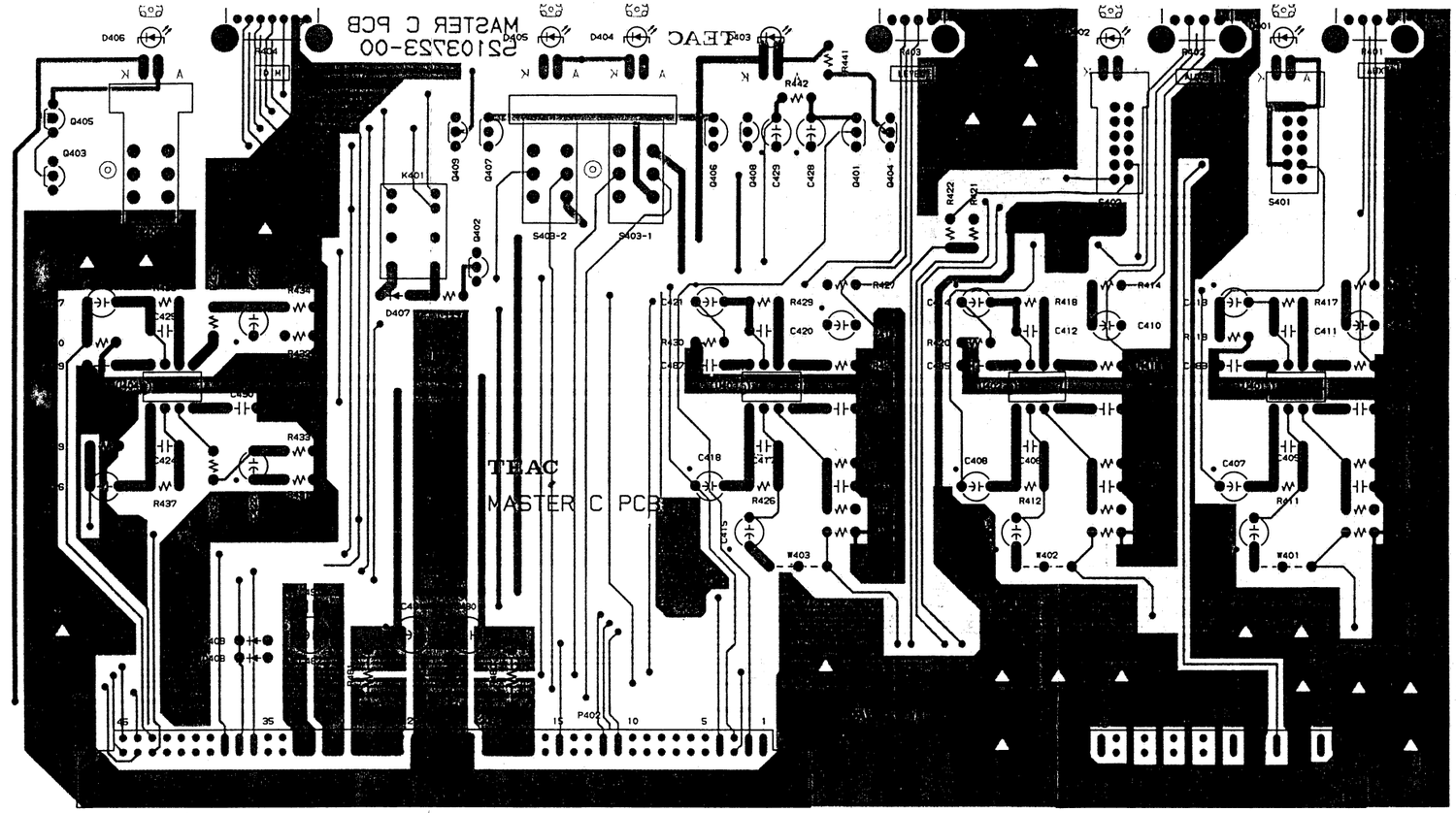
BAL AMP (C) PCB ASSY



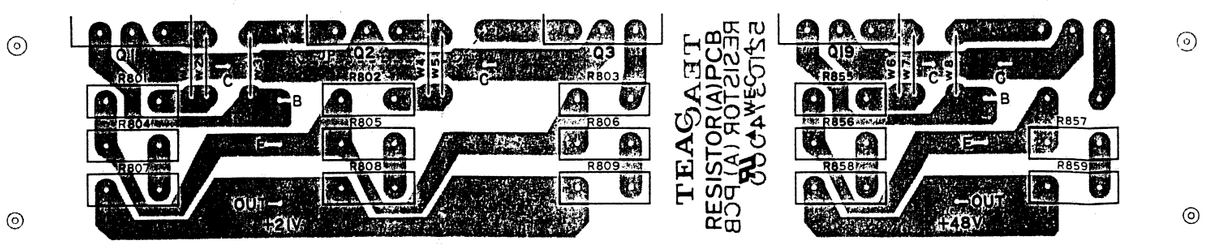
FUSE PCB ASSY



MASTER (C) PCB ASSY

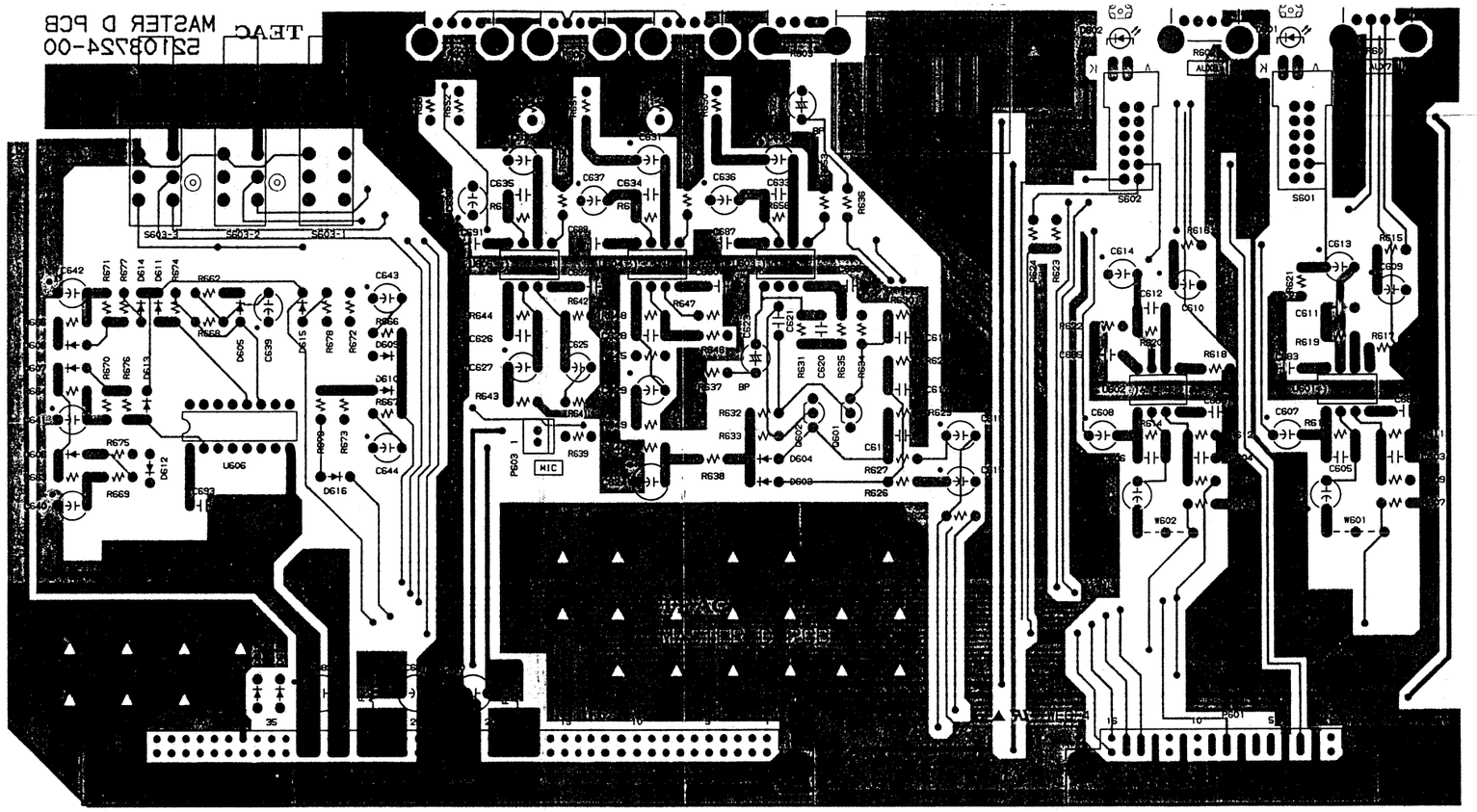


RESISTOR (A) PCB ASSY

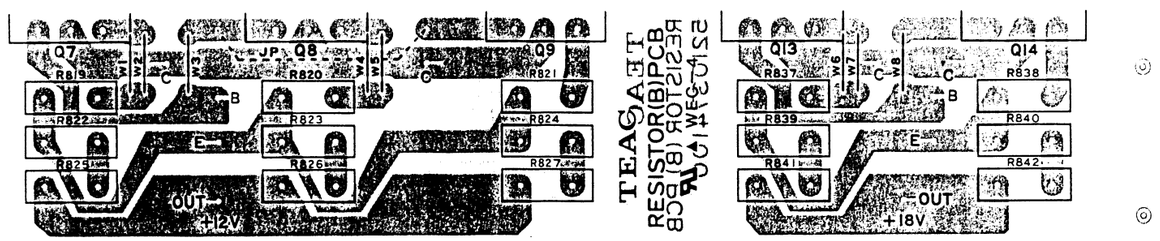


P.L. PCB ASSY

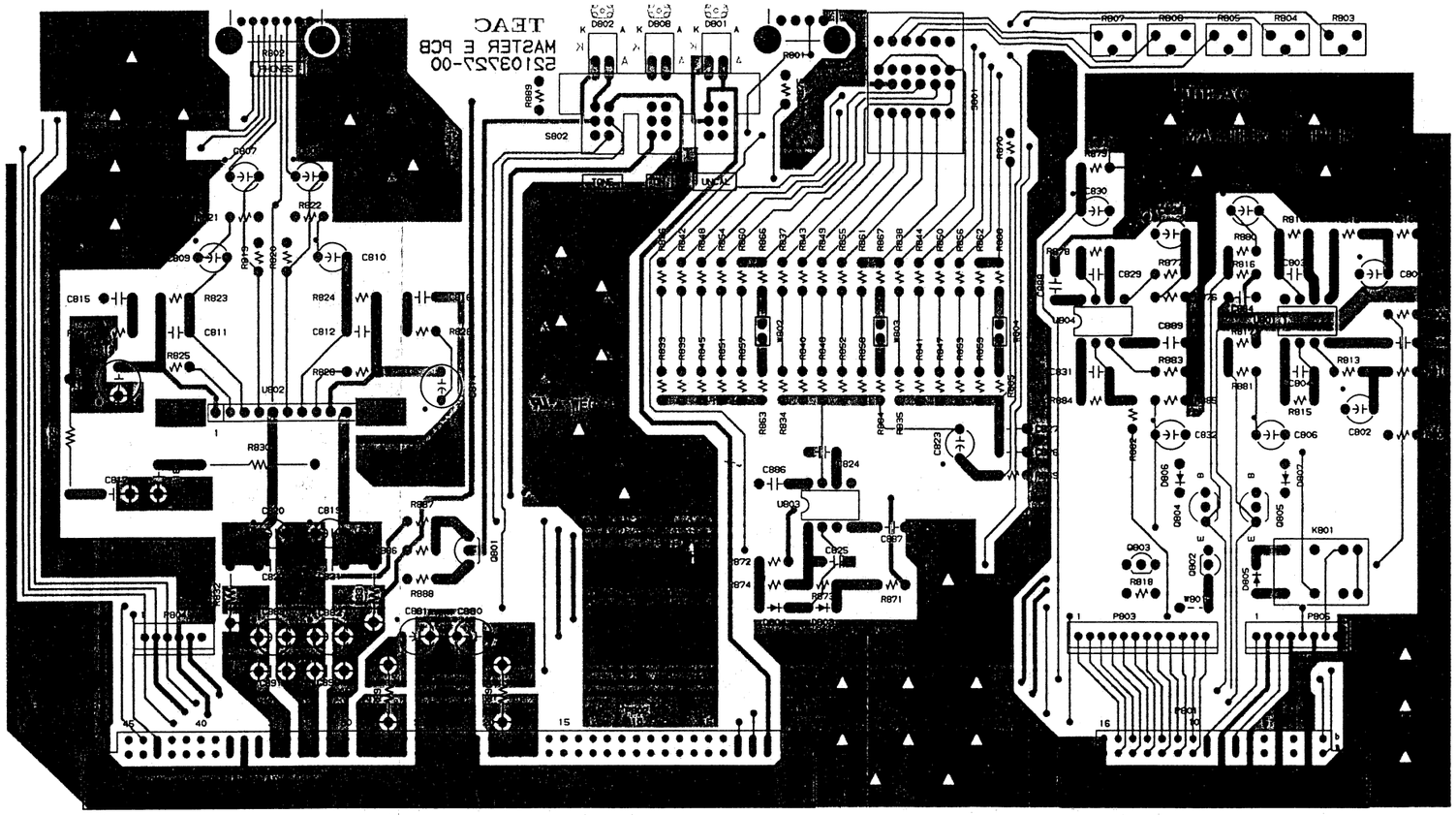
MASTER (D) PCB ASSY



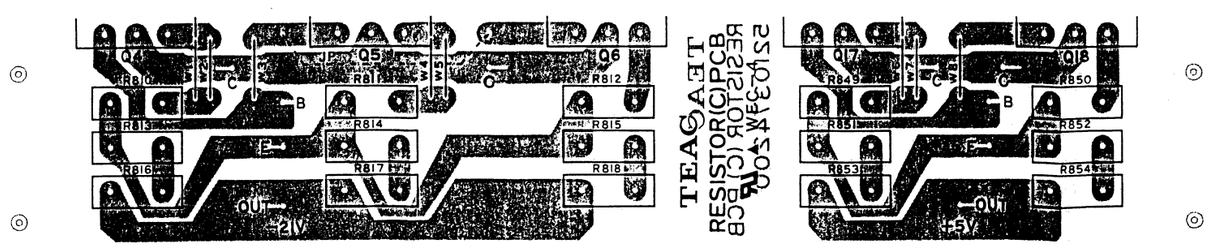
RESISTOR (B) PCB ASSY



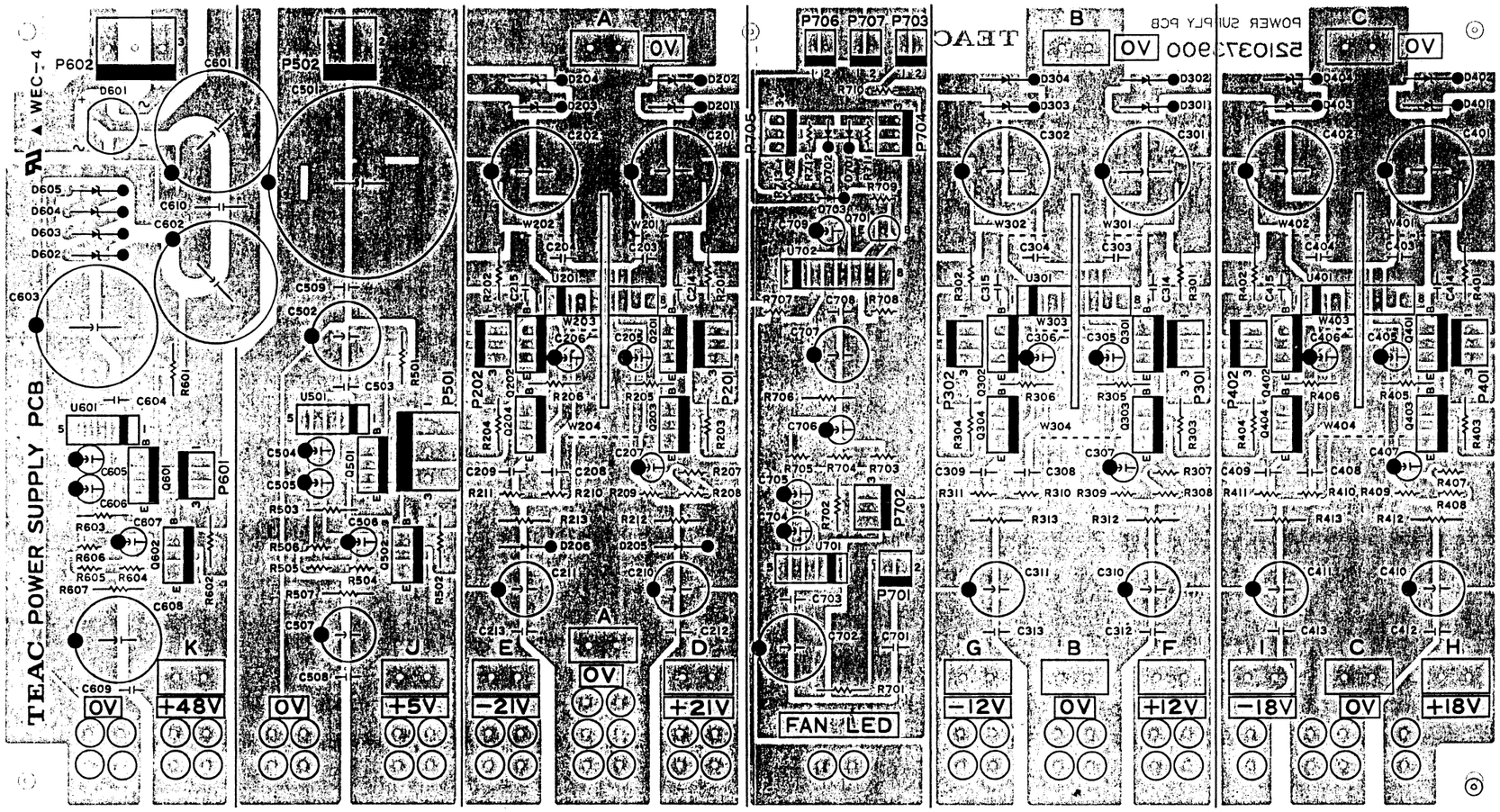
MASTER (E) PCB ASSY



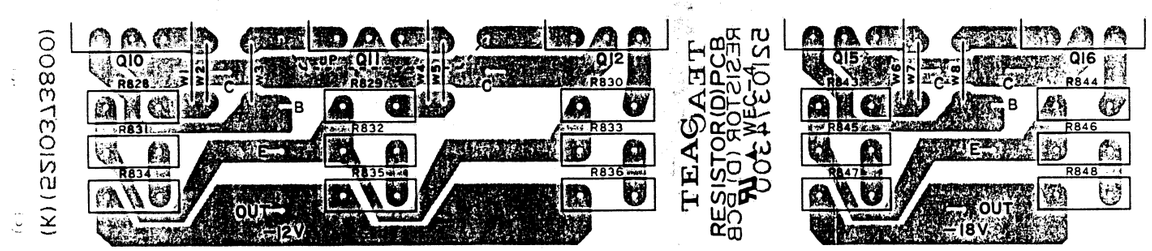
RESISTOR (C) PCB ASSY



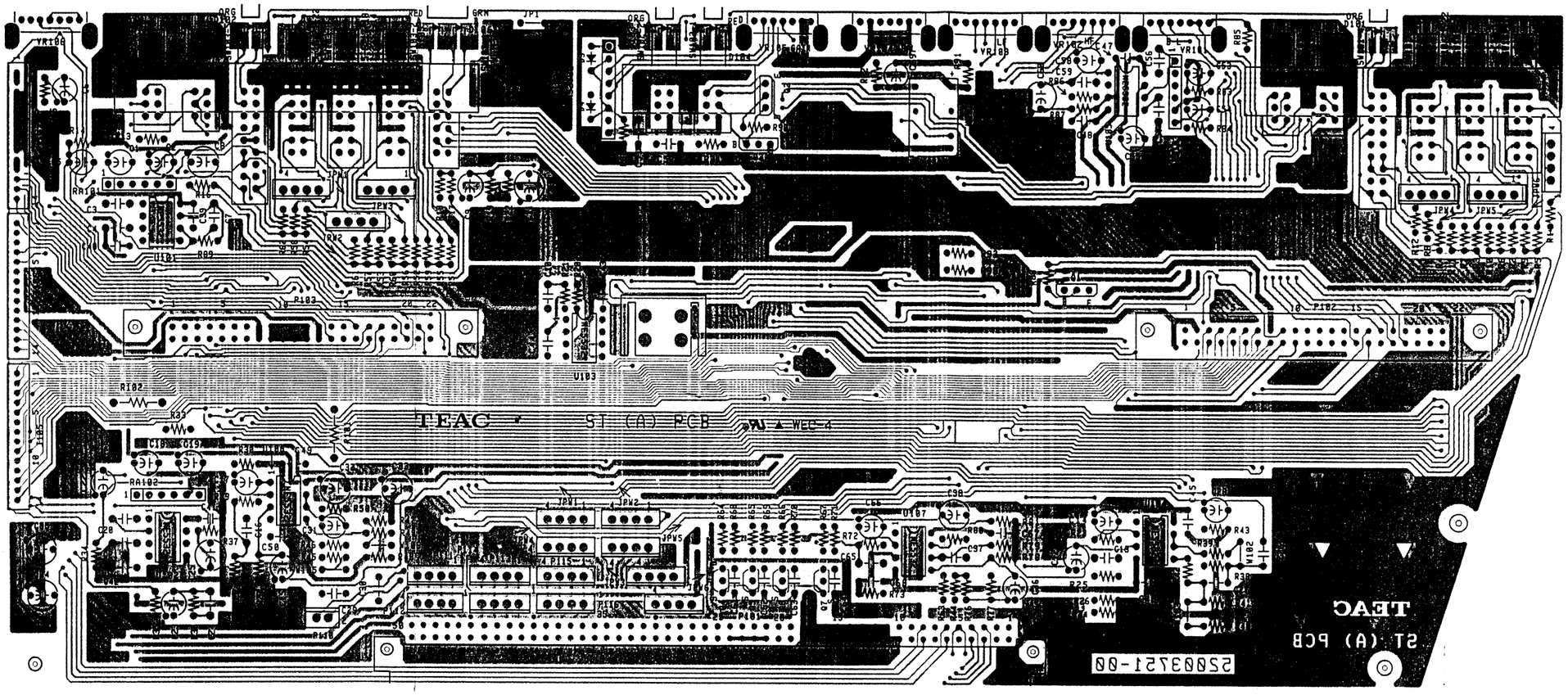
POWER SUPPLY PCB ASSY



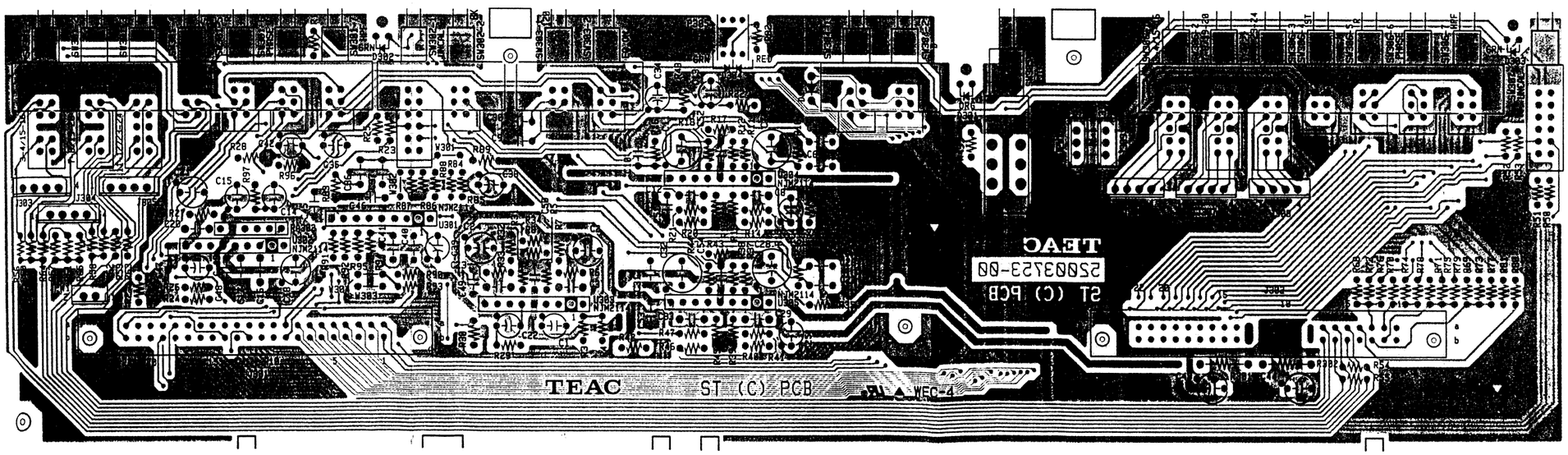
RESISTOR (D) PCB ASSY



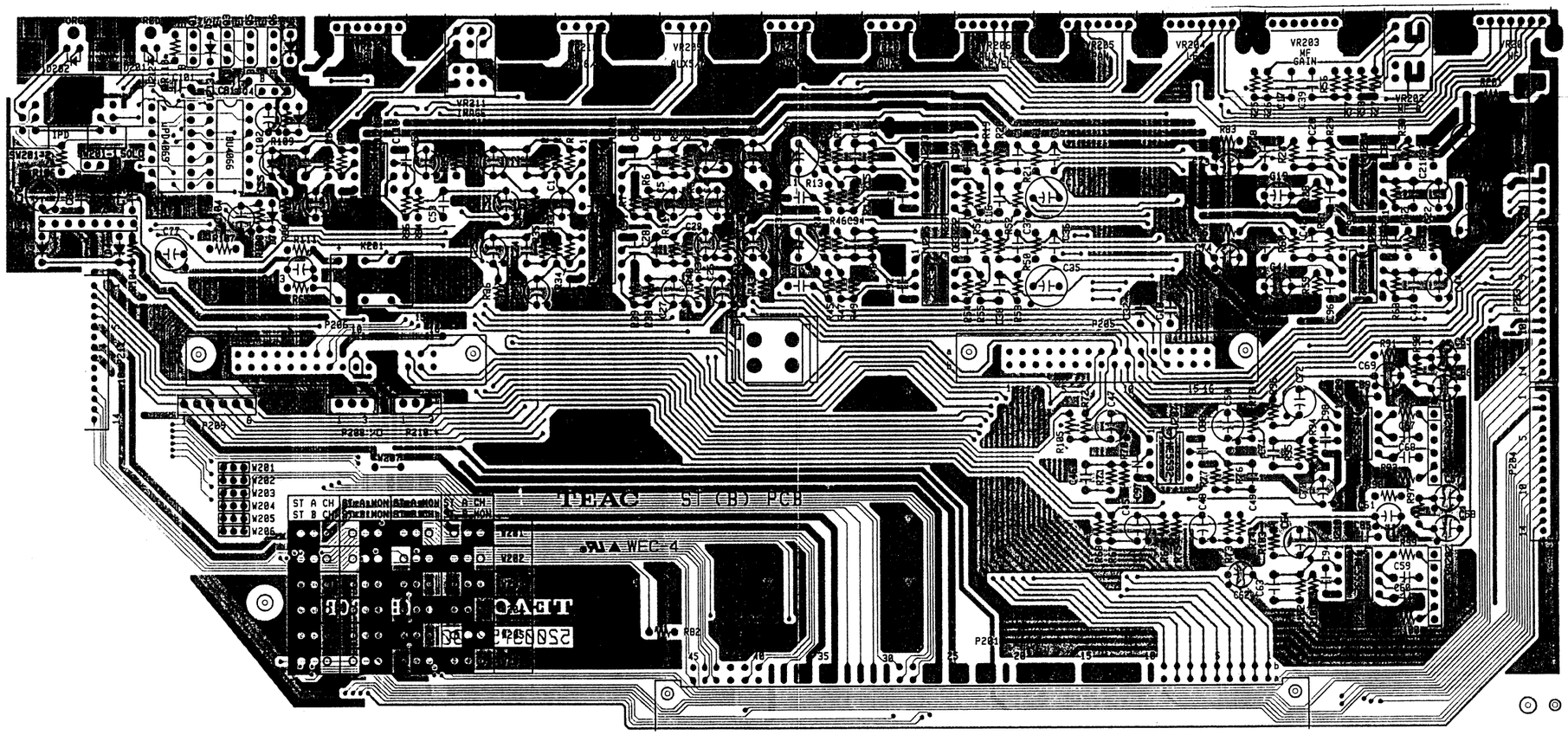
ST (A) PCB ASSY



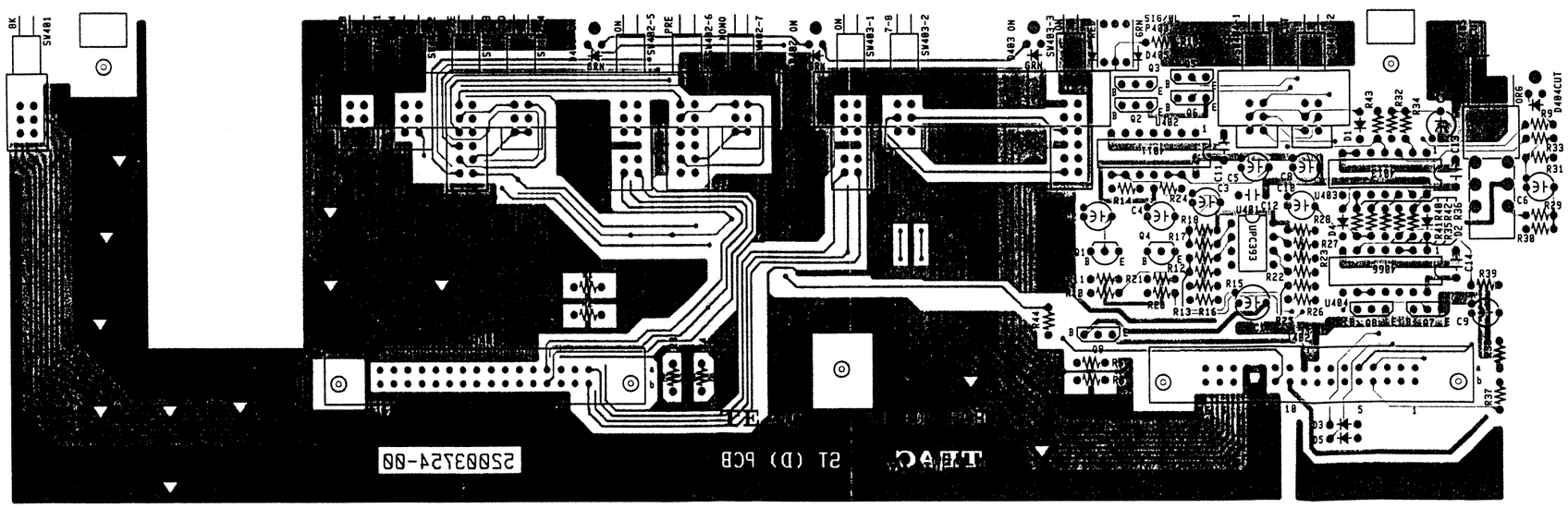
ST (C) PCB ASSY



ST (B) PCB ASSY



ST (D) PCB ASSY



METER PCB ASSY

REF. NO.	PARTS NO.	DESCRIPTION
	*5200210210	METER PCB ASSY
	*5210210200	PCB,METER
	5800385100	SPACER,LED
D101,102	5224015020	DIODE,ISS133T-77
D103,104	5225017400	LED,BR3638S(RED)
D105-108	5224015400	DIODE,1K60
M101,102	5296006101	METER,VU
P101	5336210500	CON.,PLUG 5129-5A
P102	5336210200	CON.,PLUG 5129-2A
R117,118	5280002902	VR,2KB
U101-103	5220416200	IC,M5218L

INDICATE PCB ASSY

REF. NO.	PARTS NO.	DESCRIPTION
	*5200371300	INDICATE PCB ASSY
	*5210371300	PCB,INDICATE
	5801519400	SPACER,LH-5 L=3.8
D1-6	5225018500	LED,SLR-34DU3F
D7	5224543601	DIODE,ZENER RD15EB1
D8	5224543301	DIODE,ZENER RD13EB1
D9	5224541701	DIODE,ZENER RD8.2EB1
D10	5224539201	DIODE,ZENER RD3.6EB1
D11	5224546901	DIODE,ZENER RD36EB1

S.FDR PCB ASSY

REF. NO.	PARTS NO.	DESCRIPTION
	*5200370900	S.FDR PCB ASSY
	*5210370900	PCB,S.FDR
R501	R0001660	VR,SLIDE 1U 60N 10KD

CUT SW PCB ASSY

REF. NO.	PARTS NO.	DESCRIPTION
	*5200370800	CUT SW PCB ASSY
	*5210370801	PCB,CUT SW
	5801628300	SPACER,LED LA-5-4.5
D8-13	5224017820	DIODE,MA165P-TA5
D401	5225018500	LED,SLR-34DU3F
J401	5334090500	CON.,SOCKET PCN13-20S
Q15-17	5232257920	TR,UN4212
S401	E0002820	SW,SPUJ12 1KEY 2POLES
S402	E0003020	SW,SPUJ20 2KEYS 2POLES
S403	E0002900	SW,SPUN19 1KEY NONLOCK
U401	5220016100	IC,HD14013BP
U402,403	5220013400	IC,TC4066BP

HP PCB ASSY

REF. NO.	PARTS NO.	DESCRIPTION
	*5200371400	HP PCB ASSY
	*5210371401	PCB,HP
J001	5330011600	JACK,3P YKB215010
J002	5336287400	CON.,PLUG S4B-PH-K-S WHT

IO BUSS PCB ASSY

REF. NO.	PARTS NO.	DESCRIPTION
	*5200371000	IO BUSS PCB ASSY
	*5210371000	PCB,IO BUSS
	13180154	TERMINAL,P-422
	13180156	TERMINAL,P-424
J601-608	5334079500	CON.,SOCKET 100P
P609-614	5336304200	CON.,PLUG B12B-EH WHT
P615	13121317	CONNECTOR,6P S6B-EH
P616	5336374200	CON.,PLUG B2P-VH
P617-628	5336303200	CON.,PLUG B2B-EH WHT
P629-636	5336281000	CON,PLUG 20P IL-SDD-20P-S2T
P637	5336303800	CON.,PLUG B8B-EH WHT
P638	5336309800	CON.,PLUG B8B-EH-K BLK

MASTER BUSS PCB ASSY

REF. NO.	PARTS NO.	DESCRIPTION
	*5200373300	MASTER BUSS PCB ASSY
	*5210373300	PCB,MASTER BUSS
J701-703	5334091600	CON.,SOCKET PCN12E-32S
J704,705	5334091900	CON.,SOCKET PCN12E-64S
J706-708	5334091600	CON.,SOCKET PCN12E-32S
J709-713	5334079400	CON.,SOCKET 90P
P422	13180154	TERMINAL,P-422
P701	5336374500	CON.,PLUG B5P-VH
P702	5336374200	CON.,PLUG B2P-VH
P703,705	5336374600	CON.,PLUG B6P-VH
P704,706	5336374400	CON.,PLUG B4P-VH
P707	13121318	CONNECTOR,7P S7B-EH
P708,709	13121323	CONNECTOR,12P S12B-EH
P710	13121317	CONNECTOR,6P S6B-EH
P711	5336289700	CON.,PLUG S7B-PH-K-Y YEL
P712	5336287300	CON.,PLUG S3B-PH-K-S WHT
P713,714	13121323	CONNECTOR,12P S12B-EH
P715	13121316	CONNECTOR,5P S5B-EH
P716	5336287500	CON.,PLUG S5B-PH-K-S WHT
P717	5336287700	CON.,PLUG S7B-PH-K-S WHT
P718	5336288000	CON.,PLUG S10B-PH-K-S WHT
P719	5336287900	CON,,PLUG S9B-PH-K-S WHT

[J]: JAPAN [US]: U.S.A. [E]: EUROPE

Parts marked with * require longer delivery time.

SUB BUSS PCB ASSY

REF. NO.	PARTS NO.	DESCRIPTION
	*5200371200	SUB BUSS PCB ASSY
	*5210371201	PCB,SUB BUSS
J701-708	5334079400	CON.,SOCKET 90P
J721	E00063600A	HARNESS ASSY,SUB BUSS
P709,710	5336303400	CON.,PLUG B4B-EH WHT
P711-714	5336304200	CON.,PLUG B12B-EH WHT
P715	13123920	CON.,PLUG B4P-VH

METER CONT PCB ASSY

REF. NO.	PARTS NO.	DESCRIPTION
	*5200373200	METER CONT PCB ASSY
	*5210373200	PCB,METER CONT
CR01	5347029200	OSC,CERAMIC CSA16.00MX040
L01-03	5286037900	COIL,SN SN3-200
P01	5336249900	CON.,PLUG B09B-PH-K-S WHT
P02	5336250000	CON.,PLUG B10B-PH-K-S WHT
P03	5336249600	CON.,PLUG B06B-PH-K-S WHT
P04,08	5336250200	CON.,PLUG B12B-PH-K-S WHT
P05,09	5336252200	CON.,PLUG B12B-PH-K-R RED
P06,10	5336254200	CON.,PLUG B12B-PH-K-Y YEL
P07,11	5336256200	CON.,PLUG B12B-PH-K-K BLK
RA01-05	5242118600	R.ARRAY,RMLS 8J103
S01	5302105100	SW,DIP 8-CIRCUITS SSGM
S02	5302103200	SW,TACT KHH10910
U01	5220836800	IC,PROGRAMMED M37702E2A
U02	5220069900	IC,HD74HC138P
U03	5220829200	LSI.,M6M80011P
U04	5220066700	IC,HD74HC14P
U05	5220066200	IC,HD74HC04P
U06	5220430600	IC,M51953BL
U07,08	5220041100	IC,BU4066BC
U09	5220073600	IC,HD74HC244P

BANTAM PCB ASSY OUT

REF. NO.	PARTS NO.	DESCRIPTION
	*5200374700	BANTAM PCB ASSY OUT
	*5210374700	PCB,BANTAM
J201-204	5330014000	JACK,2 GANG LGA6203-0100R
P205	5334091100	CON.,PLUG 9022B-40P

BANTAM PCB ASSY IN

REF. NO.	PARTS NO.	DESCRIPTION
	*5200374710	BANTAM PCB ASSY IN
	*5210374700	PCB,BANTAM
J201-204	5330014000	JK,2 GANG LGA6203-0100R
P205	5334091100	CON.,PLUG 9022B-40P

METER(A)PCB ASSY

REF. NO.	PARTS NO.	DESCRIPTION
	*5200373600	METER(A)PCB ASSY
	*5210373600	PCB,METER(A)
D101-108	5224015020	DIODE,ISS133T-77
P101-108	5336250200	CON.,PLUG, B12B-PH-K-S WHT
P109	5336249800	CON.,PLUG B08B-PH-K-S WHT
P113	5336374400	CON.,PLUG B4P-VH
R149-156	5280021300	VR,10KB
S101	5302104600	SW,DIP 3-CIRCUITS SSGM
U101-104	5220438900	IC,BA6138
U112-115	5220431800	IC,NE5532AN
U116-119	5220041100	IC,BU4066BC
U120-123	13443452	IC,M5238AP
U124	5220060400	IC,TC4051BP
W109,110	13122939	CON.,2P IMSA-9210B-1-02-T
W109,110	13152828	SOCKET,SHORT,IMSA-9215-H-T

METER(B)PCB ASSY

REF. NO.	PARTS NO.	DESCRIPTION
	*5200373700	METER(B)PCB ASSY
	*5210373700	PCB,METER(B)
D201-208	5225030700	LED ARRAY,SLA-1651K(RED)
D209-224	5225030800	LED ARRAY,SLA-4651K(ORG)
U201,202	5220126900	IC,M6611P
U203,204	5220127000	IC,TD62787AP

IO(A) PCB ASSY

REF. NO.	PARTS NO.	DESCRIPTION
	*5200370400	IO(A) PCB ASSY
	*5210370401	PCB,IO(A)
	5801620000	JOINT(A),PCB
D1-4	5224017820	DIODE,MA165P-TA5
D001	13419476	LED,GL3HY8
D002	13419473	LED,GL3PR8
J002-004	5336399800	CON.,RECEPTACLE 14R-FJ
P001	5334079300	CON.,PLUG 100P
P005	5334090300	CON.,PLUG PCN10HB-44P
P006	5336304400	CON.,PLUG B14B-EH WHT
P007	5336303300	CON.,PLUG B3B-EH WHT
P008	5336309300	CON.,PLUG B3B-EH-K BLK
Q1-3	5232008420	FET,2SK381D
Q4,5	5145164000	TR,2SD786S
R001	R0001670	VR,1S2U14K 5KAC CC
R002	R0001680	VR,1S1U11K 100KE
R003	R0001690	VR,1S2U14K 5KRD X 2
R004,005	R0001700	VR,1S1U11K 10KB CC
R006,008	R0001710	VR,1S1U11K 100KRD X2
R007	R0001700	VR,1S1U11K 10KB CC
R009-011	R0001700	VR,1S1U11K 10KB CC
R012,013	⚠5183562000	R,INCOMBUSTIBLE F25 22
R014	⚠5183570000	R,INCOMBUSTIBLE F25 47
RA001-003	5242135600	R.ARRAY RMNE4 15KF/7.5KF
RA004	5242135700	R.ARRAY RMNZ8 837

[J]: JAPAN [US]: U.S.A. [E]: EUROPE

Parts marked with * require longer delivery time.

S001	E0002810	SW,SPUJ40 4KEYS 4X3+6
S002	E0002820	SW,SPUJ12 1KEY 2POLES
U001-006	5220431800	IC,NE5532AN

IO(B)PCB ASSY

REF. NO.	PARTS NO.	DESCRIPTION
	*5200370500	IO(B)PCB ASSY
	*5210370501	PCB,IO(B)
	5801628200	SPACER,LED LA-5-3
	5801620000	JOINT(A),PCB
D1,2	5224017820	DIODE,MA165P-TA5
D4-7	5224017820	DIODE,MA165P-TA5
J113	5336399600	CON.,RECEPTACLE 12R-FJ
K101,102	5290013700	RELAY,SY-12W-K
P101	5334079200	CON.,PLUG 90P
P102-104	5336398500	CON.,PLUG 14P-FJ
P105	5334090200	CON.,PLUG PCN10HB-32P
P106	5334090100	CON.,PLUG PCN10HB-20P
P107-109	5336303300	CON.,PLUG B3B-EH WHT
P110	5336309300	CON.,PLUG B3B-EH-K BLK
P111	5336303400	CON.,PLUG B4B-EH WHT
P112	5336307400	CON.,PLUG B4B-EH-Y YEL
Q1	5230779520	TR,2SC1815GR
Q2	5232256120	TR,DTC124XS
Q3,4	5232259320	TR,UN4112
Q5,6	5232257920	TR,UN4212
Q7	5232259320	TR,UN4112
Q8,9	5232258020	TR,UN4213
Q10	5232257920	TR,UN4212
R101	R0001670	VR,1S2U14K 5KAC CC
R102-106	R0001720	VR,1S1U11K 100KA
R107	R0001730	VR,1S1U11K 50KB
R108	R0001670	VR,1S2U14K 5KAC CC
R109,110	⚠5183562000	R,INCOMBUSTIBLE 22 1/4W
RA101,102	5242135600	R.ARRAY RMNE4 15KF/7.5KF
S101	E0002830	SW,SPUJ22 2KEYS NLK+LK
S102	E0002840	SW,SPUJ12 1KEY 6POLES
S103	E0002820	SW,SPUJ12 1KEY 2POLES
U101-104	5220431800	IC,NE5532AN
U105-107	5220013400	IC,TC4066BP
U108	5220017200	IC,HD14069UBP
U109	5220013400	IC,TC4066BP

IO(C)PCB ASSY

REF. NO.	PARTS NO.	DESCRIPTION
	*5200370600	IO(C)PCB ASSY
	*5210370601	PCB,IO(C)
	5730018100	CLIP,COATING CP-1S
J201	5334090700	CON.,SOCKET PCN13-44S
K201	5290013800	RELAY,DF2-DC12V
P203	5336309200	CON.,PLUG B2B-EH-K BLK
R201,202	⚠5183562000	R,INCOMBUSTIBLE 22 1/4W
RA201	5242135600	R.ARRAY RMNE4 15KF/7.5KF
RA202	5242135700	R,ARRAY RMNZ8 837
S201	E0002850	SW,SPUJ40 4KEYS 4X3+2
S202	E0002820	SW,SPUJ12 1KEY 2POLES
S203	E0002860	SW,SPUJ90 9KEYS
U201,202	5220431800	IC,NE5532AN

IO(D)PCB ASSY

REF. NO.	PARTS NO.	DESCRIPTION
	*5200370700	IO(D)PCB ASSY
	*5210370701	PCB,IO(D)
	5801628200	SPACER,LED LA-5-3
J301	5334090600	CON.,SOCKET PCN13-32S
P305	13121313	CONNECTOR,2P S2B-EH
S301	E0002870	SW,SPUJ60 6KEYS 1BLANK
S302	E0002880	SW,SPUJ70 7KEYS 3BLANKS

PATCH BUSS PCB ASSY

REF. NO.	PARTS NO.	DESCRIPTION
	*5200377600	PATCH BUSS PCB ASSY
	*5210377600	PCB,PATCH BUSS
	5200374800	DSUB PCB ASSY PATCH
J001-012	5334090800	CON.,SOCKET HIF3H-40S
J101	5334080000	CON.,SOCKET 25P DSUB
JP11-18	13122939	CON.,2P IMSA-9210B-1-02-T
JP11-18	13152828	SOCKET,SHORT IMSA-9215-H-T
JP21-28	13122939	CON.,2P IMSA-9210B-1-02-T
JP21-28	13152828	SOCKET,SHORT IMSA-9215-H-T
JP31-38	13122939	CON.,2P IMSA-9210B-1-02-T
JP31-38	13152828	SOCKET,SHORT IMSA-9215-H-T
JP41-48	13122939	CON.,2P IMSA-9210B-1-02-T
JP41-48	13152828	SOCKET,SHORT IMSA-9215-H-T
JP51-58	13122939	CON.,2P IMSA-9210B-1-02-T
JP61-68	13122939	CON.,2P IMSA-9210B-1-02-T
JP61-68	13152828	SOCKET,SHORT IMSA-9215-H-T
JP001-016	13122939	CON.,2P IMSA-9210B-1-02-T
P102,103	5336157200	CON.,PLUG 12P

DSUB(1)PCB ASSY

REF. NO.	PARTS NO.	DESCRIPTION
	*5200371600	DSUB(1)PCB ASSY
	*5210371600	PCB,DSUB(1)
	5801536400	SCREW,DSUB LOCK M2.6X0.45
J801	5334080000	CON.,SOCKET 25P DSUB
J802	5336283000	CON.,SOCKET 1L-SDD-20S-S2L2

DSUB PCB ASSY MASTER

REF. NO.	PARTS NO.	DESCRIPTION
	*5200374810	DSUB PCB ASSY MASTER
	*5210374800	PCB,DSUB
J101	5334080000	CON.,SOCKET 25P DSUB
P102	5336129200	CON.,PLUG 8263-12I1 WHT
P103	5336140200	CON.,PLUG 8263-12I1 RED

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Parts marked with * require longer delivery time.

CUT MASTER PCB ASSY

REF. NO.	PARTS NO.	DESCRIPTION
	*5200372100	CUT MASTER PCB ASSY
	*5210372100	PCB,CUT MASTER
D101-103	5225018500	LED,SLR-34DU3F
S101	E0003110	SW,SPUN34 3KYS 2PLS(20MM)

REG PCB ASSY

REF. NO.	PARTS NO.	DESCRIPTION
	*5200373400	REG PCB ASSY
	*5210373400	PCB,REG
J01-04	5122374000	CON.,SOCKET 3024-03AH
P01-05	5336374400	CON.,PLUG B4P-VH
P06	5336374700	CON.,PLUG B7P-VH
P07,08	5336375000	CON.,PLUG B10P-NH
P09	5336374200	CON.,PLUG B2P-VH
P10	5336127200	CON.,PLUG 8263-1212 12P WHT
P11	5336135600	CON.,PLUG 8263-0612 RED
P12	5336145500	CON.,PLUG 8263-0512 YEL
P13	5336135800	CON.,PLUG 8263-0812 RED
P14	5336145800	CON.,PLUG 8263-0812 YEL
P15	5336374800	CON.,PLUG B8P-VH
P16,17	5336255900	CON.,PLUG B09B-PH-K-K BLK
P18-20	5336255600	CON.,PLUG B06B-PH-K-K BLK
T01-22	5332032000	BOARD,TERMINAL Y104
U01	⚠13447957	IC,NJM7815FA
U02	⚠13447974	IC,NJM7915FA
U03	⚠13447954	IC,NJM7808FA
U04	⚠13447952	IC,NJM7805FA

BAL AMP(A)PCB ASSY

REF. NO.	PARTS NO.	DESCRIPTION
	*5200372900	BAL AMP(A)PCB ASSY
	*5210372900	PCB,BAL AMP(A)
JP01-16	13122939	CON.,2P IMSA-9210B-1-02-T
JP05-08	13152828	SOCKET,SHORT IMSA-9215-H-T
JP11,12	13152828	SOCKET,SHORT IMSA-9215-H-T
JP15,16	13152828	SOCKET,SHORT IMSA-9215-H-T
P001	5334091200	CON.,PLUG PCN12EA-32P
P002	5336288200	CON.,PLUG S12B-PH-K-S WHT
P003	5336294200	CON.,PLUG S12B-PH-K-K BLK
P004	5336292200	CON.,PLUG S12B-PH-K-R RED
P005	5336287400	CON.,PLUG S4B-PH-K-S WHT
R101,102	⚠5183562000	R,INCOMBUSTIBLE F25 22
RA01-08	5242135600	R.ARRAY,RMNE4 15KF/7.5KF
RA09-12	5242135700	R.ARRAY,RMNZ8 837
U001-008	5220431800	IC,NE5532AN

BAL AMP(B)PCB ASSY

REF. NO.	PARTS NO.	DESCRIPTION
	*5200373000	BAL AMP(B)PCB ASSY
	*5210373000	PCB,BAL AMP(B)
JP31-36	13122939	CON.,2P IMSA-9210B-1-02-T
JP35,36	13152828	SOCKET,SHORT IMSA-9215-H-T
P301	5334091200	CON.,PLUG PCN12EA-32P
P302	5336287900	CON.,PLUG S9B-PH-K-S WHT
P303	5336293900	CON.,PLUG S9B-PH-K-K BLK
P304	5336287600	CON.,PLUG S6B-PH-K-S WHT
R401,402	⚠5183562000	R,INCOMBUSTIBLE F25 22
RA31-37	5242135700	R.ARRAY,RMNZ8 837
RA38	5242135600	R.ARRAY,RMNE4 15KF/7.5KF
U301-308	5220431800	IC,NE5532AN

BAL AMP(C)PCB ASSY

REF. NO.	PARTS NO.	DESCRIPTION
	*5200373100	BAL AMP(C)PCB ASSY
	*5210373100	PCB,BAL AMP(C)
JP61-76	13122939	CON.,2P IMSA-9210B-1-02-T
JP63,64	13152828	SOCKET,SHORT IMSA-9215-H-T
JP67,68	13152828	SOCKET,SHORT IMSA-9215-H-T
JP71,72	13152828	SOCKET,SHORT IMSA-9215-H-T
JP75,76	13152828	SOCKET,SHORT IMSA-9215-H-T
P601	5334091200	CON.,PLUG PCN12EA-32P
P602	5336291900	CON.,PLUG S9B-PH-K-R RED
P603	5336289900	CON.,PLUG S9B-PH-K-Y YEL
P604	5336291600	CON.,PLUG S6B-PH-K-R RED
R701,702	⚠5183562000	R,INCOMBUSTIBLE F25 22
RA61-68	5242135700	R.ARRAY,RMNZ8 837
U601-608	5220431800	IC,NE5532AN

MASTER(A)PCB ASSY

REF. NO.	PARTS NO.	DESCRIPTION
	*5200371800	MASTER(A)PCB ASSY
	*5210371800	PCB,MASTER(A)
D001,002	13419473	LED,GL3PR8
D003,007	13419476	LED,GL3HY8
D004,006	13419480	LED,GL3KG8
D005	13419473	LED,GL3PR8
D008-014	5224015020	DIODE,1SS133T-77
D015	5224584921	DIODE,ZENER RD5.1ESB2
D016,017	5224015020	DIODE,1SS133T-77
J001	5336399800	CON.,RECEPTACLE 14R-FJ
K001	5290013800	RELAY,DF2-DC12V
K002	5290013700	RELAY,SY-12W-K
P001	5334091500	CON.,PLUG PCN12EA-64P
P002	5334079200	CON.,PLUG 90P
P003	5336249600	CON.,PLUG B06B-PH-K-S WHT
P004	5336303600	CON.,PLUG B6B-EH WHT
P005	5336303300	CON.,PLUG B3B-EH WHT
Q001	5230779520	TR,2SC1815GR
Q002-004	5232254820	TR,DTA124ES
Q005-007	5232255720	TR,DTC124ES

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Parts marked with * require longer delivery time.

R001	R0001740	VR,09K 20KAX2+50KDX2
R002	R0001750	VR,IS2UI4K 20KA X 2
R003	R0001760	VR,IS2UI4K 10KA X 2
R004	R0001770	VR,IS2UI4K 50KD X 2
R080,081	⚠5183562000	R,INCOMBUSTIBLE F25 22
S001	E0002910	SW,SPUJ12 1KEY 4POLES
S002,005	E0002920	SW,SPUJ20 2KEYS 4POLES
S003	E0002930	SW,SPUJ60 6KEYS 2POLES
S004	E0002820	SW,SPUJ12 1KEY 2POLES
U001-005	5220431800	IC,NE5532AN
W007,009	13152828	SOCKET,SHORT IMSA-9215-H-T
W007-010	13122939	CON.,2P IMSA-9210B-1-02-T

MASTER(B)PCB ASSY

REF. NO.	PARTS NO.	DESCRIPTION
	*5200371900	MASTER(B)PCB ASSY
	*5210371900	PCB,MASTER(B)
D201,202	13419473	LED,GL3PR8
D203	13419480	LED,GL3KG8
D204	13419473	LED,GL3PR8
D205	13419476	LED,GL3HY8
D206-213	5224015020	DIODE,1SS133T-77
K201-203	5290013800	RELAY,DF2-DC12V
P201	5334091500	CON.,PLUG PCN12EA-64P
P202	5334079200	CON.,PLUG 90P
P203	5336249800	CON.,PLUG B08B-PH-K-S WHT
P204	5336249500	CON.,PLUG B05B-PH-K-S WHT
Q201	5230012920	TR,2SA1015GR
Q202,203	5230779520	TR,2SC1815GR
Q204,206	5232255720	TR,DTC124ES
Q205	5232254820	TR,DTA124ES
Q207,208	5232254820	TR,DTA124ES
R201,202	R0001780	VR,ISIUIIK 10KA
R203,204	R0001760	VR,IS2UI4K 10KA X 2
R280,281	⚠5183562000	R,INCOMBUSTIBLE F25 22
S201,202	E0002910	SW,SPUJ12 1KEY 4POLES
S203	E0002940	SW,SPUJ50 5KEYS 2POLES
S204	E0002970	SW,SPUN32 3KEYS 2POLES
U201-205	5220431800	IC,NE5532AN
W203,204	13122939	CON.,2P IMSA-9210B-1-02-T
W203,204	13152828	SOCKET,SHORT IMSA-9215-H-T

MASTER(C)PCB ASSY

REF. NO.	PARTS NO.	DESCRIPTION
	*5200372300	MASTER(C)PCB ASSY
	*5210372300	PCB,MASTER(C)
D401,402	13419473	LED,GL3PR8
D403	13419406	LED,LD-101VR
D404	13419480	LED,GL3KG8
D405,406	13419473	LED,GL3PR8
D407-409	5224015020	DIODE,1SS133T-77
K401	5290013800	RELAY,DF2-DC12V
P401	5334091200	CON.,PLUG PCN12EA-32P
P402	5334079200	CON.,PLUG 90P
Q401	5230779520	TR,2SC1815GR
Q402,403	5232255720	TR,DTC124ES
Q404,405	5232254820	TR,DTA124ES
Q406,407	5232255720	TR,DTC124ES
Q408,409	5232254820	TR,DTA124ES
R401-403	R0001780	VR,ISIUIIK 10KA
R404	R0001760	VR,IS2UI4K 10KA X 2
R480,481	⚠5183562000	R,INCOMBUSTIBLE F25 22
S401,402	E0002910	SW,SPUJ12 1KEY 4POLES
S403	E0002980	SW,SPUN22 2KEYS 2POLES
S404	E0003080	SW,SPUN19 1KEY 2POLES
U401-404	5220431800	IC,NE5532AN

MASTER(D)PCB ASSY

REF. NO.	PARTS NO.	DESCRIPTION
	*5200372400	MASTER(D)PCB ASSY
	*5210372400	PCB,MASTER(D)
	5347007700	MIC,CONDENSER WM-034CY
	5730030200	CLAMP,WIRE W/ SPONGE S-514
D601,602	13419473	LED,GL3PR8
D603-618	5224015020	DIODE,1SS133T-77
P601	5334091200	CON.,PLUG PCN12EA-32P
P602	5334079200	CON.,PLUG 90P
Q601,602	5145119000	TR,2SC1844F
R601,602	R0001780	VR,ISIUIIK 10KA
R603	R0001790	VR,ISIUIIK 5KRD
R604-606	R0001780	VR,ISIUIIK 10KA
R680,681	⚠5183562000	R,INCOMBUSTIBLE F25 22
S601,602	E0002910	SW,SPUJ12 1KEY 4POLES
S603	E0002990	SW,SPUN32 3KEYS NONLOCK
U601-605	5220431800	IC,NE5532AN
U606	13441729	IC,HD14050B

MASTER(E)PCB ASSY

REF. NO.	PARTS NO.	DESCRIPTION
	*5200372700	MASTER(E)PCB ASSY
	*5210372700	PCB,MASTER(E)
D801	13419480	LED,GL3KG8
D802	13419476	LED,GL3HY8
D803-807	5224015020	DIODE,1SS133T-77
D808	13419480	LED,GL3KG8
K801	5290013800	RELAY,DF2-DC12V
P801	5334091200	CON.,PLUG PCN12EA-32P
P802	5334079200	CON.,PLUG 90P
P803	5336250200	CON.,PLUG B12B-PH-K-S WHT
P804	5336249600	CON.,PLUG B06B-PH-K-S WHT
P805	5336249800	CON.,PLUG B08B-PH-K-S WHT
Q801	5230779520	TR,2SC1815GR
Q802	5232254820	TR,DTA124ES
Q803	5232255720	TR,DTC124ES
Q804,805	5231762020	TR,2SD1450S,T
R801	R0001800	VR,ISIUIIK 10KA 12.5
R802	R0001810	VR,IS2UI4K 10KAA12.5
R803-807	5280036300	VR,10KB
R890,891	⚠5183562000	R,INCOMBUSTIBLE F25 22

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S801	E0003120	SW,ROTARY SRBU25
S802	E0003100	SW,SPUJ30 3KEYS 2POLES
U801	5220431800	IC,NE5532AN
U802	5220441700	IC,TA7272P
U803,804	5220431800	IC,NE5532AN
W802-804	13122939	CON.,2P IMSA-9210B-1-02-T

MSW(A)PCB ASSY

REF. NO.	PARTS NO.	DESCRIPTION
	*5200372000	MSW(A)PCB ASSY
	*5210372000	PCB,MSW(A)
	5801620400	ANGLE,MASTER(A)
D201	13419480	LED,GL3KG8
D202	13419476	LED,GL3HY8
D203	13419473	LED,GL3PR8
D205	13419476	LED,GL3HY8
Q201,202	5232255920	TR,DTC143XS
S201	E0002950	SW,SPUJ51 5KEYS(2NONLOCK)

MSW(B)PCB ASSY

REF. NO.	PARTS NO.	DESCRIPTION
	*5200372500	MSW(B)PCB ASSY
	*5210372500	PCB,MSW(B)
	5801620500	ANGLE,MASTER(B)
D301-305	13419476	LED,GL3HY8
Q301-304	5232255920	TR,DTC143XS
S301	E0002960	SW,SPUJ51 5KEYS NONLOCK
S302	E0002910	SW,SPUJ12 1KEY 4POLES

POWER SW PCB ASSY

REF. NO.	PARTS NO.	DESCRIPTION
	*5200374500	POWER SW PCB ASSY
	*5210374500	PCB,POWER SW
	5332032100	TERMINAL,TAB P-90
C001-003	⚠ 5267703800	SPARK KILLER,4700PF 400V

FUSE PCB ASSY

REF. NO.	PARTS NO.	DESCRIPTION
	*5200374400	FUSE PCB ASSY
	*5210374400	PCB,FUSE
	5041237000	HOLDER,FUSE IP
	5332015800	HOLDER,FUSE
	5332032200	TERMINAL,TAB P-91
C101-105	⚠ 5263164900	C,METALIZED 0.1UF 250V
F1-4	⚠ 5307039800	FUSE,TIME LAG 20A 250V UL
F5-7	⚠ 5142194000	FUSE,TIME LAG 6.3A-250V EUR
F8	⚠ 5142191000	FUSE,TIME LAG 3.15A 250V EUR

RESISTOR(A)PCB ASSY

REF. NO.	PARTS NO.	DESCRIPTION
	*5200374000	RESISTOR(A)PCB ASSY
	*5210374000	PCB,RESISTOR(A)
	E00032800A	HARNESS ASSY,RESISTOR JPW
Q1-3	⚠ 5230783100	TR,2SC3281(O)
Q19	⚠ 5230783100	TR,2SC3281(O)
R801-803	⚠ 5241262100	R,METAL PLATE 5W 0.15
R804-809	⚠ 5185207000	R,METAL PLATE 5W 0.56
R855	⚠ 5241262100	R,METAL PLATE 5W 0.15
R856-859	⚠ 5185203000	R,METAL PLATE 5W 0.68

RESISTOR(B)PCB ASSY

REF. NO.	PARTS NO.	DESCRIPTION
	*5200374100	RESISTOR(B)PCB ASSY
	*5210374100	PCB,RESISTOR(B)
	E00032800A	HARNESS ASSY,RESISTOR JPW
Q7-9	⚠ 5230783100	TR,2SC3281(O)
Q13,14	⚠ 5230783100	TR,2SC3281(O)
R819-821	⚠ 5241262100	R,METAL PLATE 5W 0.15
R822-827	⚠ 5185207000	R,METAL PLATE 5W 0.56
R837,838	⚠ 5241262100	R,METAL PLATE 5W 0.15
R839-842	⚠ 5185203000	R,METAL PLATE 5W 0.68

RESISTOR(C)PCB ASSY

REF. NO.	PARTS NO.	DESCRIPTION
	*5200374200	RESISTOR(C)PCB ASSY
	*5210374200	PCB,RESISTOR(C)
	E00032800A	HARNESS ASSY,RESISTOR JPW
Q4-6	⚠ 5230020100	TR,2SA1302(O)
Q17,18	⚠ 5230783100	TR,2SC3281(O)
R810-812	⚠ 5241262100	R,METAL PLATE 5W 0.15
R813-818	⚠ 5185207000	R,METAL PLATE 5W 0.56
R849,850	⚠ 5241262100	R,METAL PLATE 5W 0.15
R851-854	⚠ 5185203000	R,METAL PLATE 5W 0.68

RESISTOR(D)PCB ASSY

REF. NO.	PARTS NO.	DESCRIPTION
	*5200374300	RESISTOR(D)PCB ASSY
	*5210374300	PCB,RESISTOR(D)
	E00032800A	HARNESS ASSY,RESISTOR JPW
Q10-12	⚠ 5230020100	TR,2SA1302(O)
Q15,16	⚠ 5230020100	TR,2SA1302(O)
R828-830	⚠ 5241262100	R,METAL PLATE 5W 0.15
R831-836	⚠ 5185207000	R,METAL PLATE 5W 0.56
R843,844	⚠ 5241262100	R,METAL PLATE 5W 0.15
R845-848	⚠ 5185203000	R,METAL PLATE 5W 0.68

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P.L.PCB ASSY

REF. NO.	PARTS NO.	DESCRIPTION
	*5200378000	P.L.PCB ASSY
	*5210378000	PCB,P.L.
D7	5225013500	LED,SLR-34VR3F RED
P901	5336128200	CON.,PLUG 8263-0211 WHT

POWER SUPPLY PCB ASSY

REF. NO.	PARTS NO.	DESCRIPTION
	*5200373900	POWER SUPPLY PCB ASSY
	*5210373900	PCB,POWER SUPPLY
	5332032100	TERMINAL,TAB
	A00000400A	BAR,EARTH
C501	⚠5262015000	C,ELEC. 22000UF 35V
C601,602	⚠5262010900	C,ELEC. 1000UF 100V
D201,203	⚠5224581000	DIODE,ZENER 1Z18
D202,204	⚠5224580900	DIODE,ZENER 1Z15
D205,206	5143089000	DIODE,W03C
D301,303	⚠5224581000	DIODE,ZENER 1Z18
D302,304	⚠5224580900	DIODE,ZENER 1Z15
D401,403	⚠5224581000	DIODE,ZENER 1Z18
D402,404	⚠5224580900	DIODE,ZENER 1Z15
D601	⚠5228005000	SILICON STACK,W02G
D602,604	⚠5224581000	DIODE,ZENER 1Z18
D603,605	⚠5224580900	DIODE,ZENER 1Z15
D701,702	5224015020	DIODE,1SS133T-77
P201	5336135300	CON.,PLUG 8263-0312 RED
P202	5336137300	CON.,PLUG. 8263-0312 BLK
P301	5336145300	CON.,PLUG 8263-0312 YEL
P302	5336126300	PLUG,8263-0312 WHT
P401	5336135300	CON.,PLUG 8263-0312 RED
P402	5336137300	CON.,PLUG 8263-0312 BLK
P501	5336090300	CON.,PLUG 5281-03A
P502	5336090200	CON.,PLUG 5281-02A
P601	5336135300	CON.,PLUG 8263-0312 RED
P602	5336090300	CON.,PLUG 5281-03A
P701	5336145200	PLUG,8263-0212 YEL
P702	5336145300	CON.,PLUG 8263-0312 YEL
P703	5336126200	PLUG,8263-0212 WHT
P704	5336135300	CON.,PLUG 8263-0312 RED
P705	5336137300	CON.,PLUG 8263-0312 BLK
P706	5336135200	PLUG,8263-0212 RED
P707	5336137200	PLUG,8263-0212 BLK
Q201,203	⚠5231762800	TR,2SD1913
Q202,204	⚠5230509700	TR,2SB1274R
Q301,303	⚠5231762800	TR,2SD1913
Q302,304	⚠5230509700	TR,2SB1274R
Q401,403	⚠5231762800	TR,2SD1913
Q402,404	⚠5230509700	TR,2SB1274R
Q501,502	⚠5231762800	TR,2SD1913
Q601,602	⚠5231762800	TR,2SD1913
Q701	⚠5230779520	TR,2SC1815GR
R201,202	⚠5183586000	R,INCOMBUSTIBLE 220 F25
R203,204	⚠5185716000	R,INCOMBUSTIBLE F50 1.5K
R212,213	⚠5185720000	R,INCOMBUSTIBLE F50 2.2K
R301,302	⚠5183586000	R,INCOMBUSTIBLE 220 F25
R303,304	⚠5185710000	R,INCOMBUSTIBLE F50 820
R312,313	⚠5185714000	R,INCOMBUSTIBLE F50 1.2K
R401,402	⚠5183586000	R,INCOMBUSTIBLE 220 F25
R403,404	⚠5185700000	R,INCOMBUSTIBLE F50 330
R412,413	⚠5185718000	R,INCOMBUSTIBLE F50 1.8K
R501	⚠5183586000	R,INCOMBUSTIBLE 220 F25
R502	⚠5185700000	R,INCOMBUSTIBLE F50 330
R601	⚠5183586000	R,INCOMBUSTIBLE 220 F25
R602	⚠5185670000	R,INCOMBUSTIBLE F50 18
R701	⚠5183586000	R,INCOMBUSTIBLE 220 F25
R702	⚠5185706000	R,INCOMBUSTIBLE F50 560
R706	⚠5180084000	R,CARBON 1/2W 1.2K
U201,301	⚠5220425800	IC,M5230LA
U401	⚠5220425800	IC,M5230LA
U501,601	⚠5220442700	IC,M5231TL
U701	⚠5220442700	IC,M5231TL
U702	⚠5220423600	IC,M5232L

ST(A)PCB ASSY

REF. NO.	PARTS NO.	DESCRIPTION
	*5200375100	ST(A)PCB ASSY
	*5210375100	PCB,ST(A)
	5801302800	BAR,BUSS
D3-4	5224017820	DIODE,MA165P-TA5
D101-103	13419476	LED,GL3HY8
D104-105	13419473	LED,GL3PR8
D106	13419480	LED,GL3KG8
J105-107	5336399800	CON.,RECEPTACLE 14R-FJ
K101	5290013800	RELAY,DF2-DC12V
P101	5334079300	CON.,PLUG 100P
P102-103	5334090300	CON.,PLUG PCN10HB-44P
P108-109	5336304400	CON.,PLUG B14B-EH WHT
Q1	5232256120	TR,DTC124XS
Q2	5232257920	TR,UN4212
Q3	5232255820	TR,DTC144ES
Q4-7	5232008420	FET,2SK381D
R101-102	⚠5183562000	R,INCOMBUSTIBLE 22 1/4W
RA101-103	5242135600	R.ARRAY,RMNE4 15KF/7.5KF
SW101	E0003010	SW,SPUJ60 6KEYS
SW102	E0003020	SW,SPUJ20 2KEYS 2POLES
SW103	E0003070	SW,SPUJ70 7KEYS
U101-107	5220431800	IC,NE5532AN
U108	5220440200	IC,BA15218N
VR101,106	R0001870	VR,1S2U14K 20KE X 2
VR102-103	R0001830	VR,1S2U14K 10KBX2 CC
VR104	R0001670	VR,1S2U14K 5KAC CC
VR105	R0001860	VR,1S2U14K 10KD X 2

[J]: JAPAN [US]: U.S.A. [E]: EUROPE

Parts marked with * require longer delivery time.

ST(B)PCB ASSY

REF. NO.	PARTS NO.	DESCRIPTION
	*5200375200	ST(B)PCB ASSY
	*5210375200	PCB,ST(B)
	13152828	SOCKET,SHORT IMSA-9215-H-T
	5801302800	BAR,BUSS
	5801628200	SPACER,LED LA-5-3
D3-8	5224017820	DIODE,MA165P-TA5
K201	5290013800	RELAY,DF2-DC12V
P201	5334079200	CON.,PLUG 90P
P202-204	5336398500	CON.,PLUG 14P-FJ
P205-206	5334090200	CON.,PLUG PCN10HB-32P
P208	5336303300	CON.,PLUG B3B-EH WHT
P209	5336303600	CON.,PLUG B6B-EH WHT
P210	5336307300	CON.,PLUG B3B-EH-Y YEL
P211	5336399800	CON.,RECEPTACLE 14R-FJ
Q1	5232257920	TR,UN4212
Q2	5232255820	TR,DTC144ES
Q3-4	5232257920	TR,UN4212
Q5-6	5232259320	TR,UN4112
R201-202 ⚠	5183562000	R,INCOMBUSTIBLE 22 1/4W
RA201-202	5242135600	R.ARRAY,RMNE4 15KF/7.5KF
SW201	E0003090	SW,SPUJ22 2KYS 2PLS(15MM)
U201-210	5220431800	IC,NE5532AN
U211	5220440200	IC,BA15218N
U212	5220017200	IC,HD14069UBP
U213	5220041100	IC,BU4066BC
VR201	R0001830	VR,IS2U14K 10KBX2 CC
VR202	R0001850	VR,IS4U09K 100KC X 4
VR203,204	R0001830	VR,IS2U14K 10KBX2 CC
VR205	R0001670	VR,IS2U14K 5KAC CC
VR206	R0001820	VR,IS2U14K 100KA X 2
VR207-210	R0001720	VR,IS1U11K 100KA
VR211	R0001840	VR,IS4U09K 10KBX4 CC
VR212	R0001670	VR,IS2U14K 5KAC CC
W201-202	13122940	CON.,3P IMSA-9210B-1-03-T
W203-206	13124176	CON.,T12P(2MM PITCH)

ST(C)PCB ASSY

REF. NO.	PARTS NO.	DESCRIPTION
	*5200375300	ST(C)PCB ASSY
	*5210375300	PCB,ST(C)
	5801628200	SPACER,LED LA-5-3
	5801628400	SPACER,LED LA-5-8.5
D1	5224017820	DIODE,MA165P-TA5
D304	5225030600	LED,SPR-39MVW
D405	5336281300	CON.,SOCKET IL-SDD- 3S-S2L2
J301-302	5334090700	CON.,SOCKET PCN13-44S
R301-302 ⚠	5183562000	R,INCOMBUSTIBLE 1/4W 22
RA301	5242135600	R.ARRAY,RMNE4 15KF/7.5KF
SW301	E0003060	SW,SPUJ70 7KEYS 4X3+2X4
SW302	E0003050	SW,SPUJ20 2KEYS 4+2
SW303-304	E0003020	SW,SPUJ20 2KEYS 2POLES
SW305	E0002900	SW,SPUN19 1KEY NONLOCK
SW306	E0003060	SW,SPUJ70 7KEYS 4X3+2X4
SW307	E0002910	SW,SPUJ12 1KEY 4POLES
U301-305	5220448100	IC,NJM2114L

ST(D)PCB ASSY

REF. NO.	PARTS NO.	DESCRIPTION
	*5200375400	ST(D)PCB ASSY
	*5210375400	PCB,ST(D)
	5801628200	SPACER,LED LA-5-3
	5801628300	SPACER,LED LA-5-4.5
D1-5	5224017820	DIODE,MA165P-TA5
D404	13419476	LED,GL3HY8
D405	5225030600	LED,SPR-39MVW
D405	5336281300	CON.,SOCKET IL-SDD- 3S-S2L2
J401-402	5334090600	CON.,SOCKET PCN13-32S
Q1	5230779520	TR,2SC1815GR
Q2-3	5232259320	TR,UN4112
Q4	5230779520	TR,2SC1815GR
Q5-6	5232259320	TR,UN4112
Q7-8	5232257920	TR,UN4212
Q9	5232256120	TR,DTC124XS
SW401	E0002820	SW,SPUJ12 1KEY 2POLES
SW402	E0003030	SW,SPUJ70 7KEYS 1BLANK
SW403	E0003040	SW,SPUJ30 3KEYS
SW404	E0003020	SW,SPUJ20 2KEYS 2POLES
SW405	E0002900	SW,SPUN19 1KEY NONLOCK
U401	5220012500	IC,UPC393C
U402	5220019100	IC,TC4011BP
U403	5220016100	IC,HD14013BP
U404	5220041100	IC,BU4066BC

[J]: JAPAN [US]: U.S.A. [E]: EUROPE

Parts marked with * require longer delivery time.

TASCAM
TEAC Professional Division
M-5000

TEAC CORPORATION	3-7-3, Nakacho, Musashino-shi, Tokyo 180, Japan Phone: (0422) 52-5081
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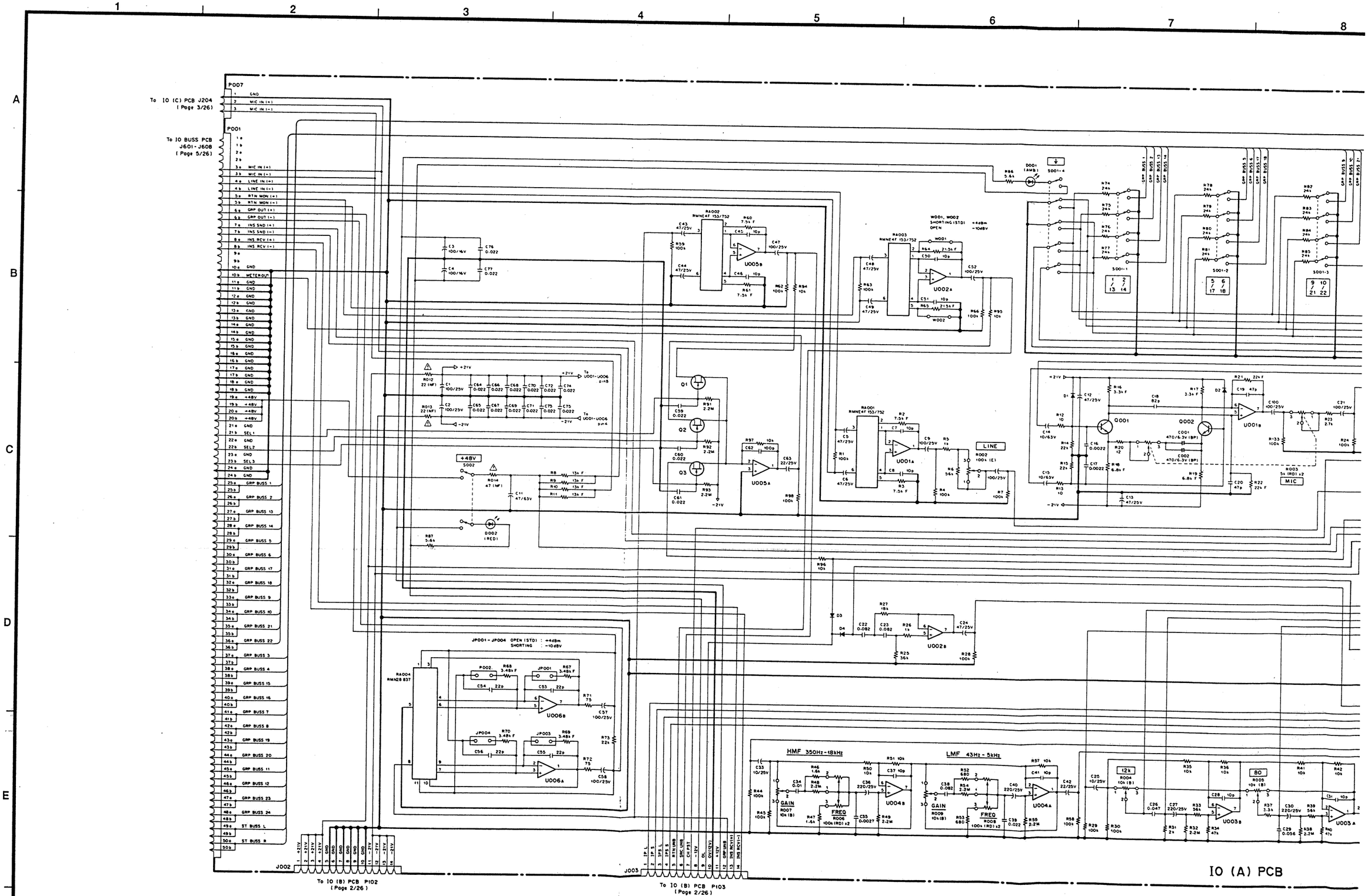
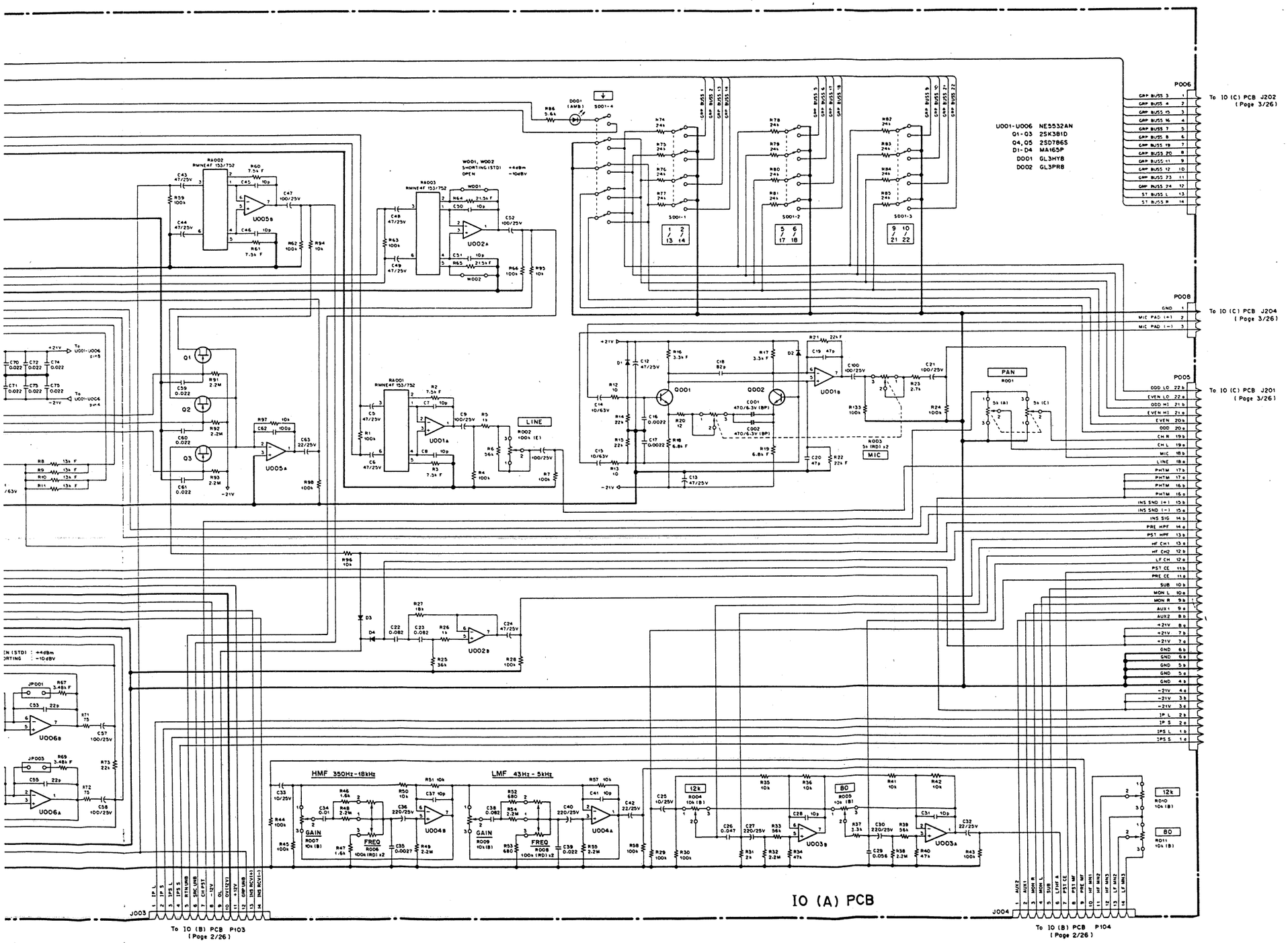
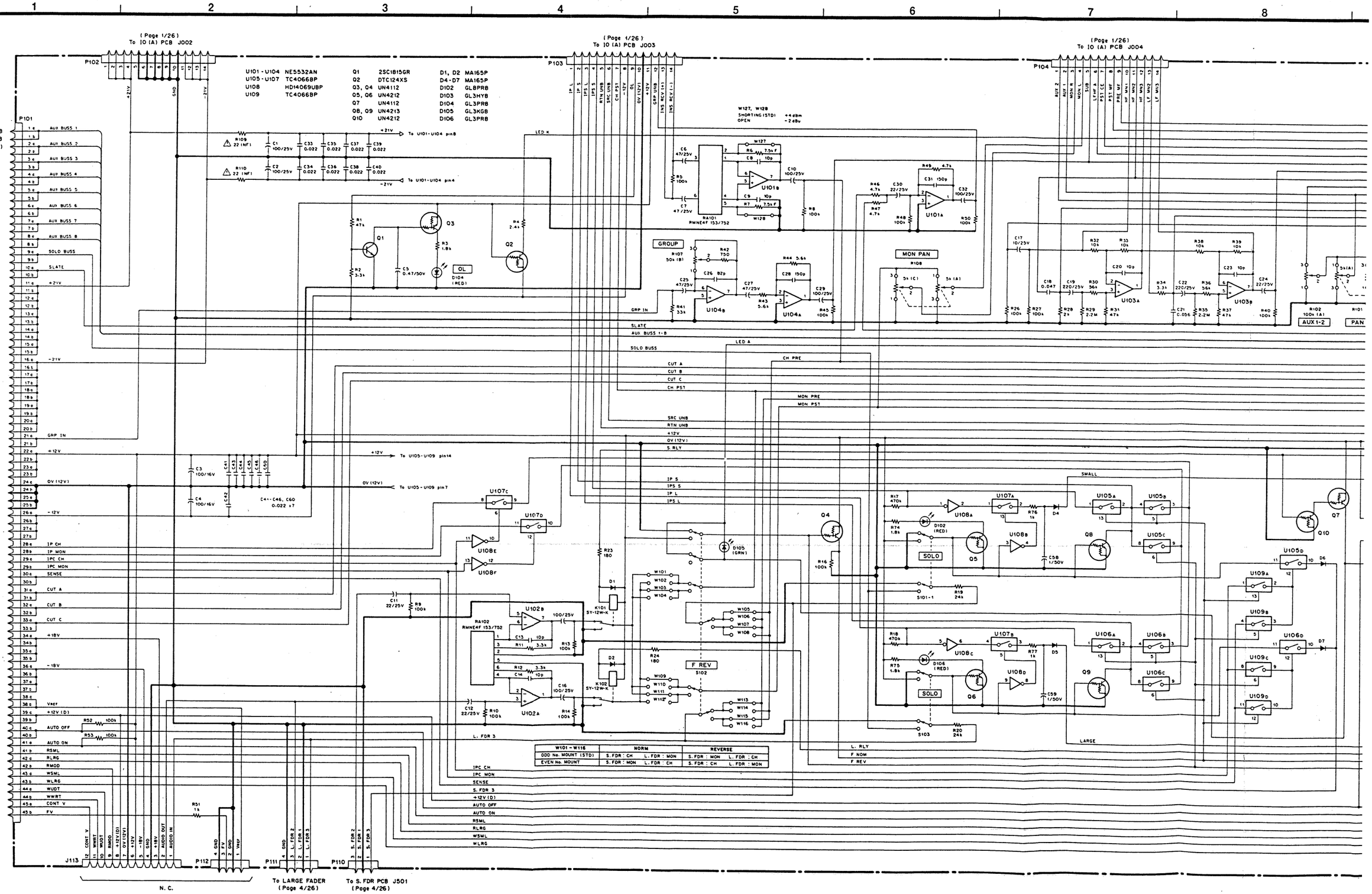
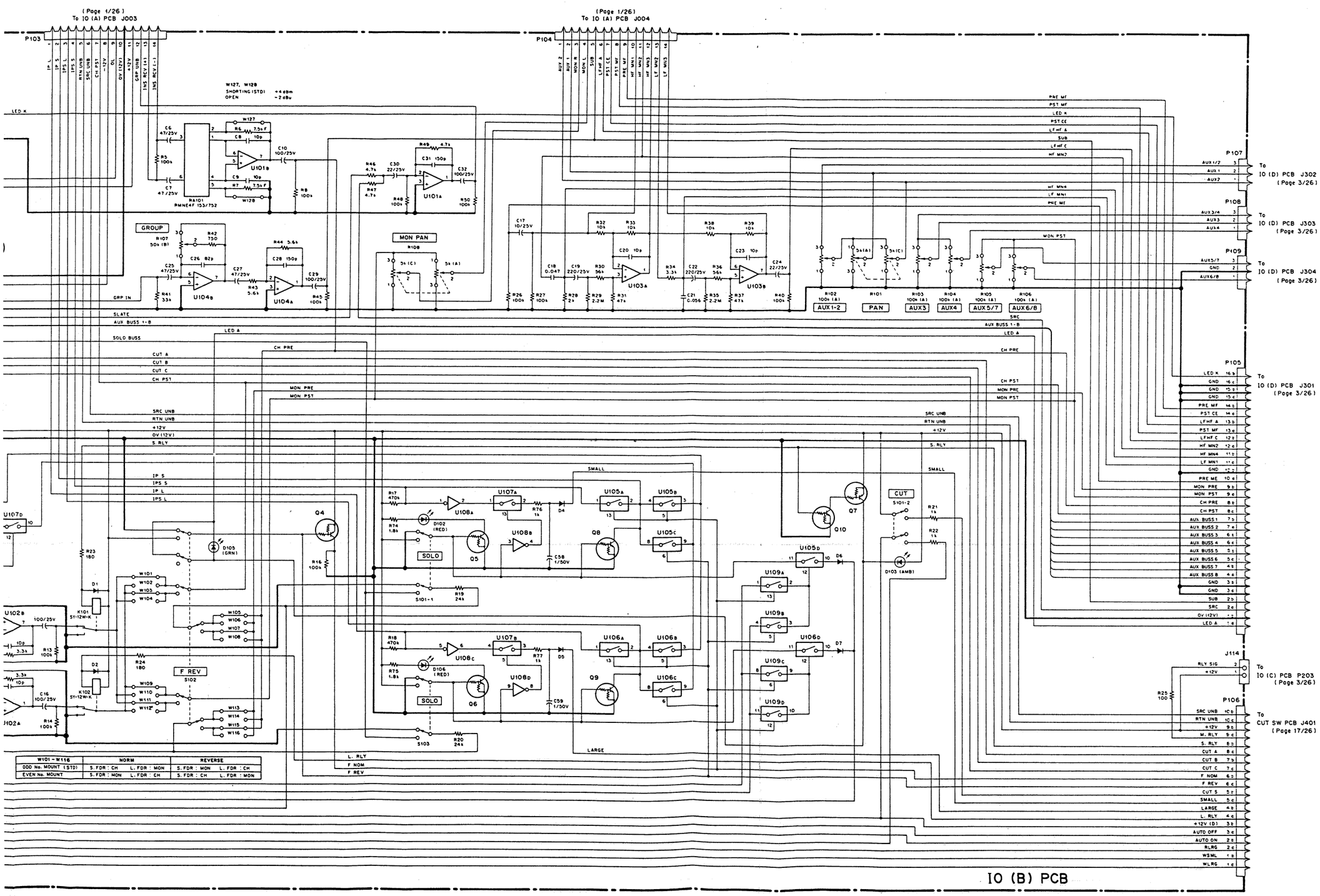
4. SCHEMATIC DIAGRAMS

IO (A) PCB



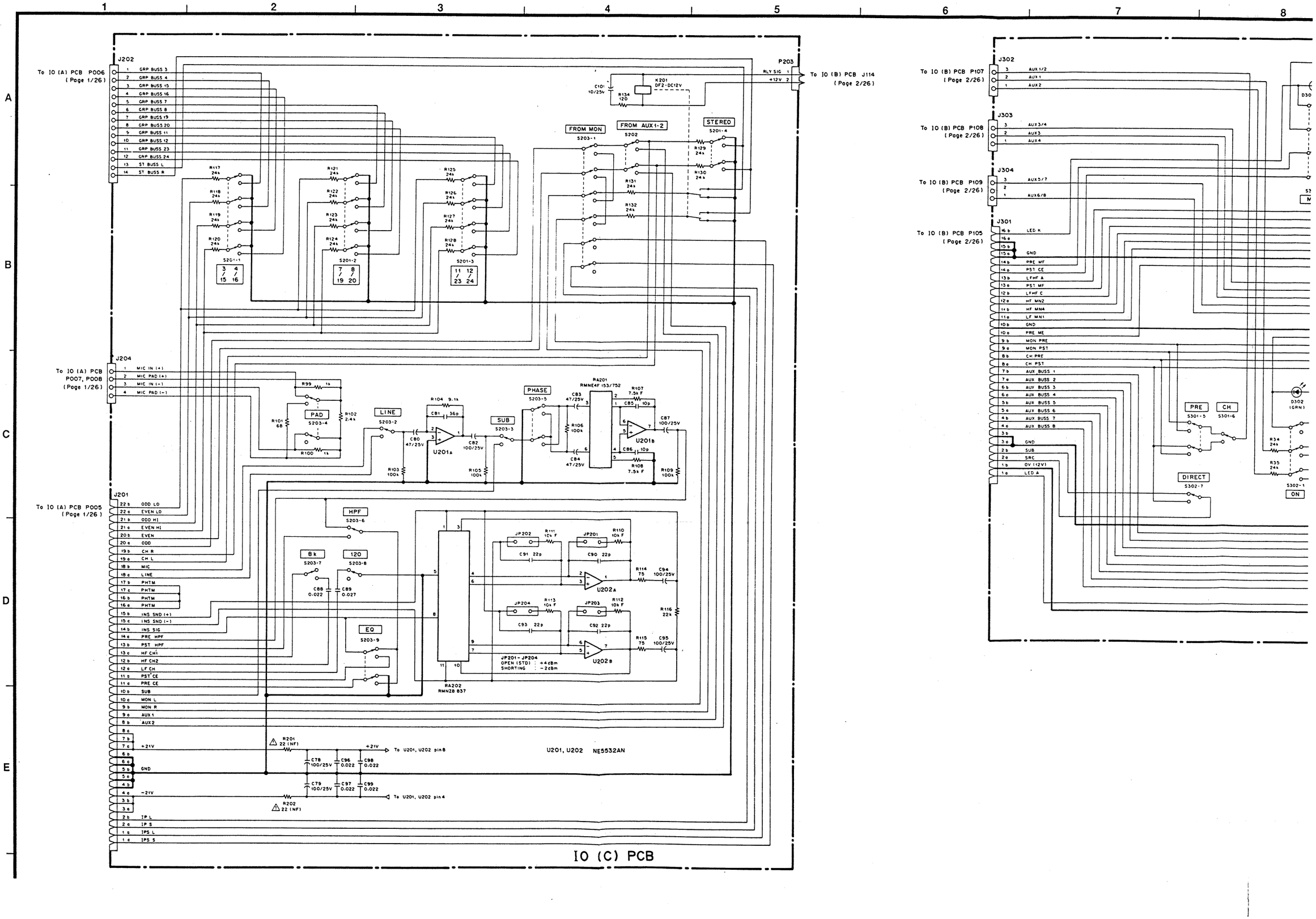

U001-U006 NE5532AN
Q1-Q3 2SK381D
Q4,Q5 2SD786S
D1-D4 MA165P
D001 GL3HYB
D002 GL3PRB
P006
To 10 (C) PCB J202 (Page 3/26)
P008
To 10 (C) PCB J204 (Page 3/26)
P005
To 10 (C) PCB J201 (Page 3/26)
PAN
RD01
LINE
RD02 100k (E)
MIC
RD03 5k (RD) x2
HMF 350Hz - 18kHz
LMF 43Hz - 5kHz
GAIN
RD07 10k (B)
RD09 10k (B)
FREQ
RD06 100k (RD) x2
RD08 100k (RD) x2
12k
RD04 10k (B)
RD10 10k (B)
80
RD05 10k (B)
RD11 10k (B)
U005B
U002A
U001A
U005A
U002B
U001B
U003B
U004B
U004A
U003A
U006B
U006A
IO (A) PCB
J003
To IO (B) PCB P103 (Page 2/26)
J004
To IO (B) PCB P104 (Page 2/26)

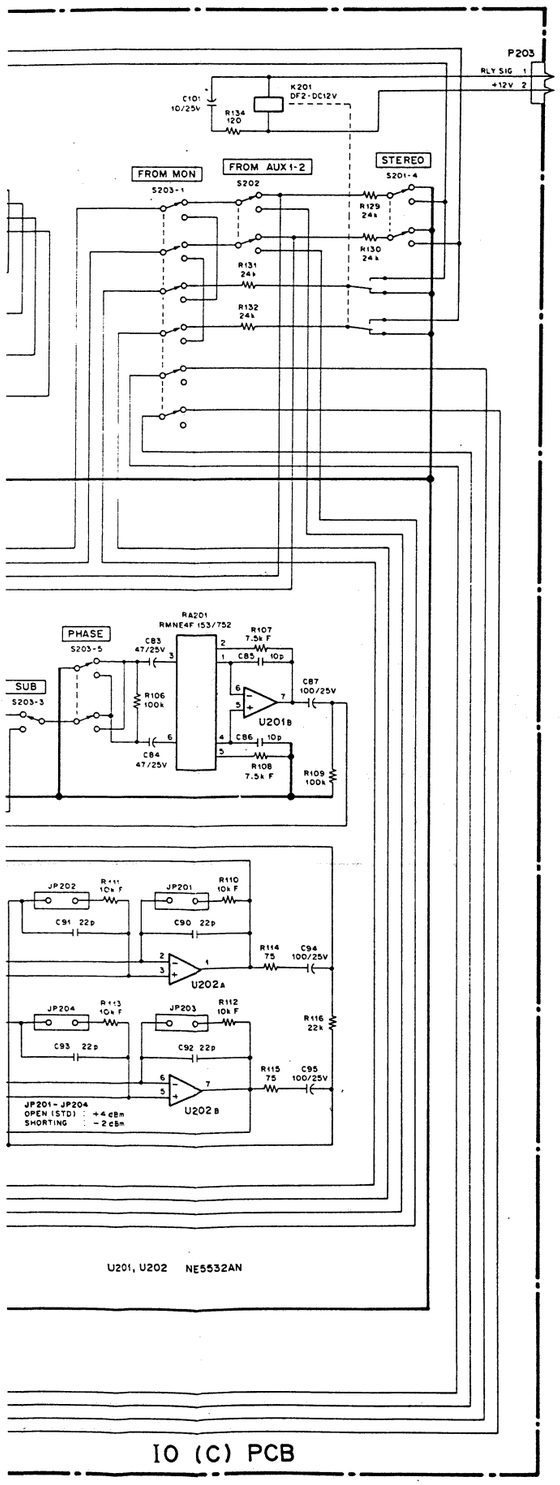

1
2
3
4
5
6
7
8
A
B
C
D
E
(Page 1/26)
To IO (A) PCB J002
(Page 1/26)
To IO (A) PCB J003
(Page 1/26)
To IO (A) PCB J004
P102
P103
P104
P101
To SUB BUSS PCB J701 - J708 (Page 6/26)
U101 - U104 NE5532AN
U105 - U107 TC4066BP
U108 HD14069UBP
U109 TC4066BP
Q1 2SC1815GR
Q2 DTC124XS
Q3, Q4 UN4112
Q5, Q6 UN4212
Q7 UN4112
Q8, Q9 UN4213
Q10 UN4212
D1, D2 MA165P
D4 - D7 MA165P
D102 GL8PR8
D103 GL3HY8
D104 GL3PR8
D105 GL3KG8
D106 GL3PR8
W127, W128
SHORTING (STD) +4.6dBm
OPEN -2.6Bv
AUX BUSS 1
AUX BUSS 2
AUX BUSS 3
AUX BUSS 4
AUX BUSS 5
AUX BUSS 6
AUX BUSS 7
AUX BUSS 8
SOLO BUSS
SLATE
+21V
-21V
GRP IN
+12V
0V (12V)
-12V
1P CH
1P MON
1PC CH
1PC MON
SENSE
CUT A
CUT B
CUT C
+18V
-18V
Vref
+12V (D)
AUTO OFF
AUTO ON
RSML
RLRG
RMOD
WSML
WLRG
WUDT
WWRT
CONT V
FV
GND
AUDIO IN
AUDIO OUT
LED K
LED A
CH PRE
MON PRE
MON PST
SRC UNB
RTN UNB
S. RLY
IP S
IPS S
IP L
IPS L
L. FDR 3
F NOM
F REV
L. RLY
SMALL
LARGE
GROUP
MON PAN
SOLO
OL
AUX 1-2
PAN
W101 - W116
NORM
REVERSE
ODD No. MOUNT (STD)
S. FDR : CH L. FDR : MON
S. FDR : MON L. FDR : CH
EVEN No. MOUNT
S. FDR : MON L. FDR : CH
S. FDR : CH L. FDR : MON
J113
P112
P111
P110
N. C.
To LARGE FADER (Page 4/26)
To S. FDR PCB J501 (Page 4/26)

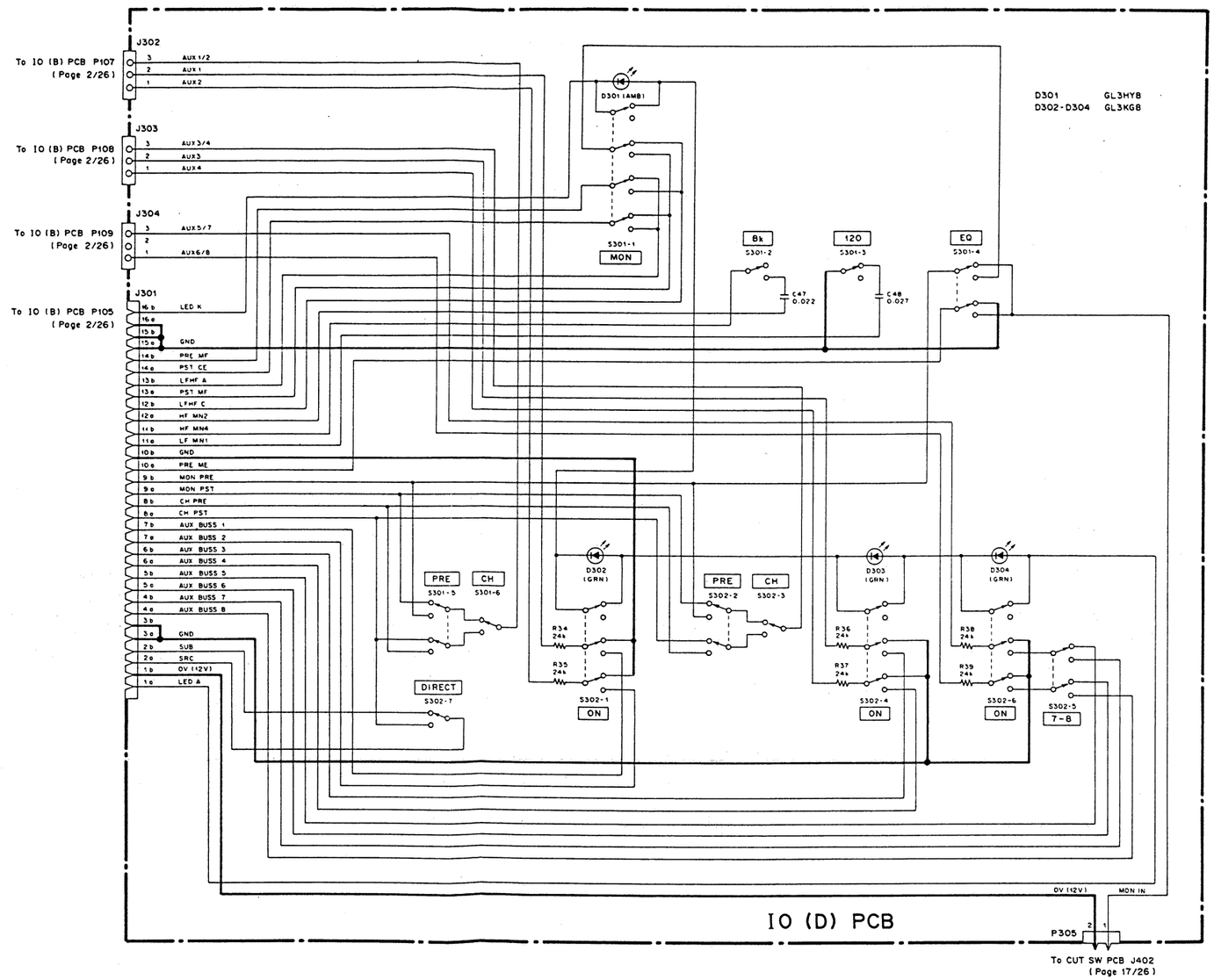


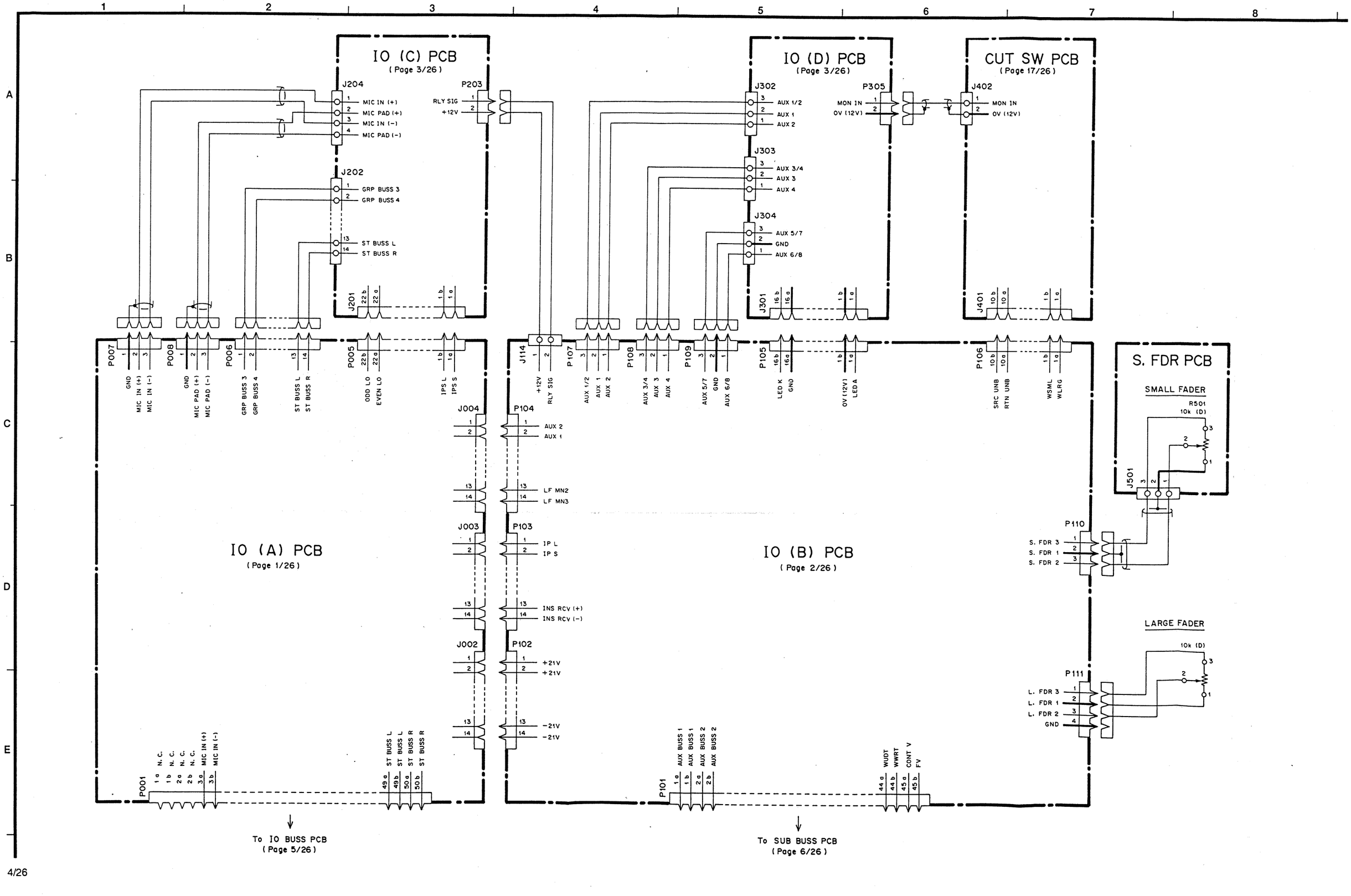
W101 - W116	NORM	REVERSE
ODD No. MOUNT (STD)	S. FDR : CH L. FDR : MON	S. FDR : MON L. FDR : CH
EVEN No. MOUNT	S. FDR : MON L. FDR : CH	S. FDR : CH L. FDR : MON

IO (C) PCB, IO (D) PCB




P203
RLY SIG 1
+12V 2
To IO (B) PCB J114
(Page 2/26)
C101 10/25V
K201 DF2-DC12V
R134 120
FROM MON
S203-1
FROM AUX 1-2
S202
STEREO
S201-4
R129 24k
R130 24k
R131 24k
R132 24k
PHASE
S203-5
SUB
S203-3
RA201 RMNE4F 153/752
C83 47/25V
R107 7.5k F
C85 10p
R106 100k
U201B
C87 100/25V
C84 47/25V
C86 10p
R108 7.5k F
R109 100k
JP202
R111 10k F
C91 22p
JP201
R110 10k F
C90 22p
R114 75
C94 100/25V
U202A
JP204
R113 10k F
C93 22p
JP203
R112 10k F
C92 22p
R116 22k
R115 75
C95 100/25V
U202B
JP201 - JP204
OPEN (STD) : +4 dBm
SHORTING : -2 dBm
U201, U202 NE5532AN
IO (C) PCB


To IO (B) PCB P107 (Page 2/26)
J302
3 AUX 1/2
2 AUX 1
1 AUX 2
To IO (B) PCB P108 (Page 2/26)
J303
3 AUX 3/4
2 AUX 3
1 AUX 4
To IO (B) PCB P109 (Page 2/26)
J304
3 AUX 5/7
1 AUX 6/8
To IO (B) PCB P105 (Page 2/26)
J301
16 b LED K
16 a
15 b
15 a GND
14 b PRE MF
14 a PST CE
13 b LFHF A
13 a PST MF
12 b LFHF C
12 a HF MN2
11 b HF MN4
11 a LF MN1
10 b GND
10 a PRE ME
9 b MON PRE
9 a MON PST
8 b CH PRE
8 a CH PST
7 b AUX BUSS 1
7 a AUX BUSS 2
6 b AUX BUSS 3
6 a AUX BUSS 4
5 b AUX BUSS 5
5 a AUX BUSS 6
4 b AUX BUSS 7
4 a AUX BUSS 8
3 b
3 a GND
2 b SUB
2 a SRC
1 b 0V (12V)
1 a LED A
D301 (AMB)
S301-1
MON
8k
S301-2
C47 0.022
120
S301-3
C48 0.027
EQ
S301-4
PRE
S301-5
CH
S301-6
DIRECT
S302-7
D302 (GRN)
R34 24k
R35 24k
S302-1
ON
PRE
S302-2
CH
S302-3
D303 (GRN)
R36 24k
R37 24k
S302-4
ON
D304 (GRN)
R38 24k
R39 24k
S302-6
ON
S302-5
7-8
D301 GL3HYB
D302-D304 GL3KG8
0V (12V)
MON IN
P305
To CUT SW PCB J402
(Page 17/26)
IO (D) PCB


1
2
3
4
5
6
7
8
A
B
C
D
E
IO (C) PCB
(Page 3/26)
J204
MIC IN (+)
MIC PAD (+)
MIC IN (-)
MIC PAD (-)
P203
RLY SIG
+12V
J202
GRP BUSS 3
GRP BUSS 4
ST BUSS L
ST BUSS R
J201
IO (D) PCB
(Page 3/26)
J302
AUX 1/2
AUX 1
AUX 2
J303
AUX 3/4
AUX 3
AUX 4
J304
AUX 5/7
GND
AUX 6/8
P305
MON IN
0V (12V)
J301
CUT SW PCB
(Page 17/26)
J402
MON IN
0V (12V)
J401
P007
P008
P006
P005
P107
P108
P109
P105
P106
J114
IO (A) PCB
(Page 1/26)
J004
J003
J002
P104
AUX 2
AUX 1
LF MN2
LF MN3
P103
IP L
IP S
INS RCV (+)
INS RCV (-)
P102
+21V
+21V
-21V
-21V
P001
N.C.
MIC IN (+)
MIC IN (-)
ST BUSS L
ST BUSS R
To IO BUSS PCB
(Page 5/26)
IO (B) PCB
(Page 2/26)
P101
AUX BUSS 1
AUX BUSS 2
WUDT
WWRT
CONT V
FV
To SUB BUSS PCB
(Page 6/26)
S. FDR PCB
SMALL FADER
R501
10k (D)
J501
P110
S. FDR 3
S. FDR 1
S. FDR 2
LARGE FADER
10k (D)
P111
L. FDR 3
L. FDR 1
L. FDR 2
GND

4 5 6 7 8 9 10 11

IO (D) PCB
(Page 3/26)

J302
3 AUX 1/2
2 AUX 1
1 AUX 2

J303
3 AUX 3/4
2 AUX 3
1 AUX 4

J304
3 AUX 5/7
2 GND
1 AUX 6/8

P305
1 MON IN
2 0V (12V)

J301
16b 16a 1b 1a

CUT SW PCB
(Page 17/26)

J402
1 MON IN
2 0V (12V)

J401
10b 10a 1b 1a

P107
3 AUX 1/2
2 AUX 1
1 AUX 2

P108
3 AUX 3/4
2 AUX 3
1 AUX 4

P109
3 AUX 5/7
2 GND
1 AUX 6/8

P105
16b LED K
16a GND
1b 0V (12V)
1a LED A

P106
10b SRC UNB
10a RTN UNB
1b WSML
1a WLRG

S. FDR PCB

SMALL FADER
R501
10k (D)
3
2
1
J501 3 2 1

P110
S. FDR 3 1
S. FDR 1 2
S. FDR 2 3

LARGE FADER
10k (D)
3
2
1

P111
L. FDR 3 1
L. FDR 1 2
L. FDR 2 3
GND 4

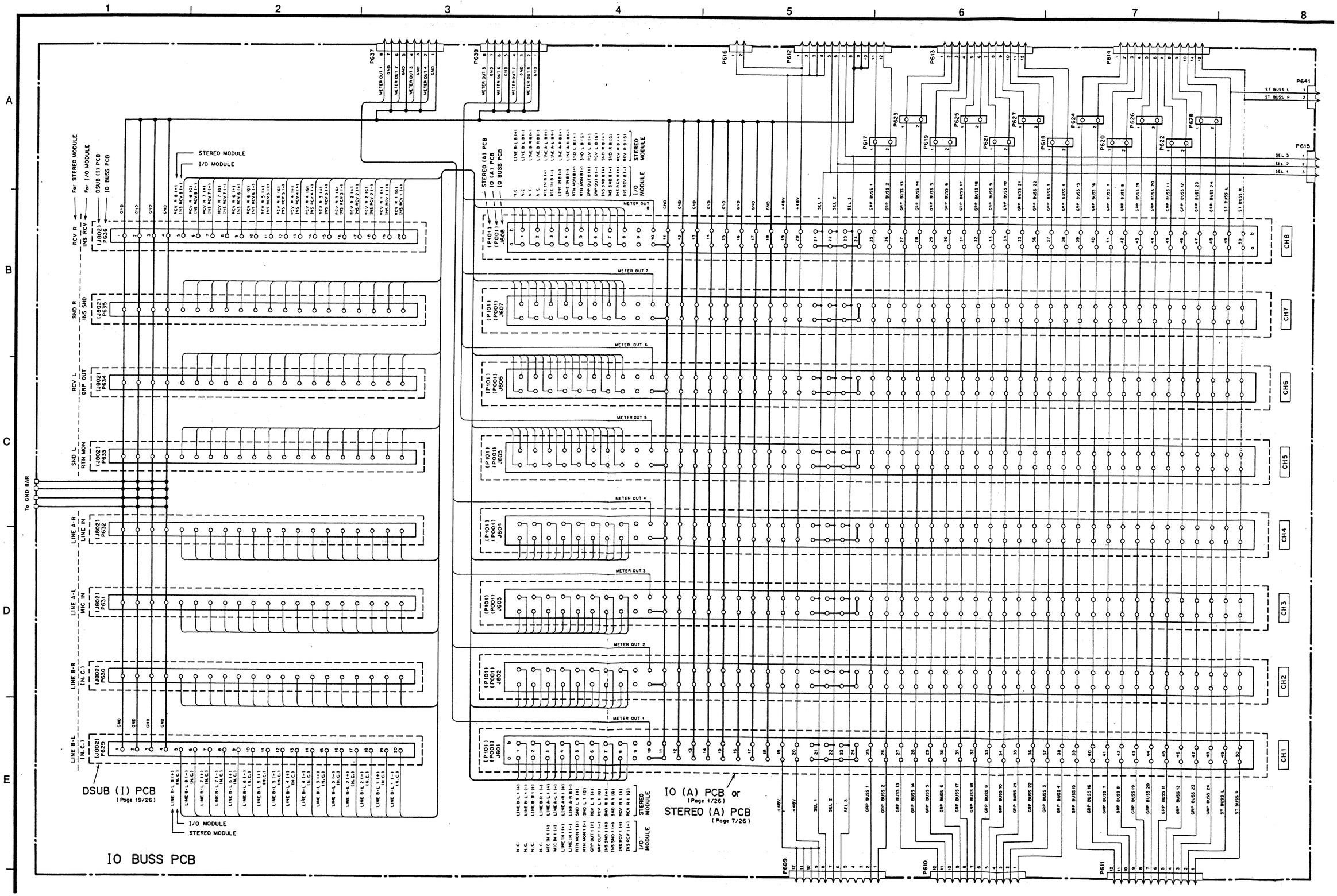
IO (B) PCB
(Page 2/26)

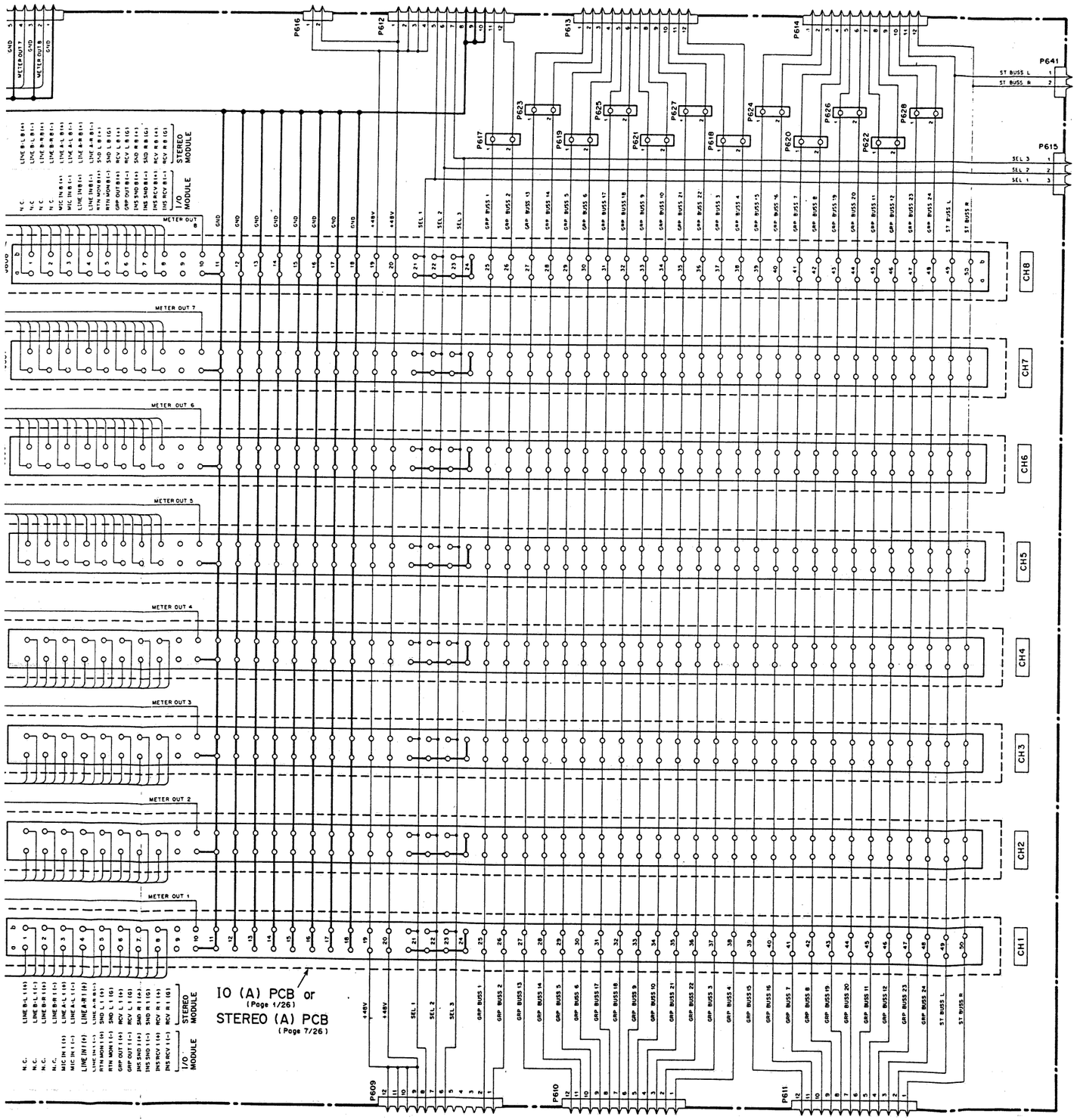
V (+)
V (-)

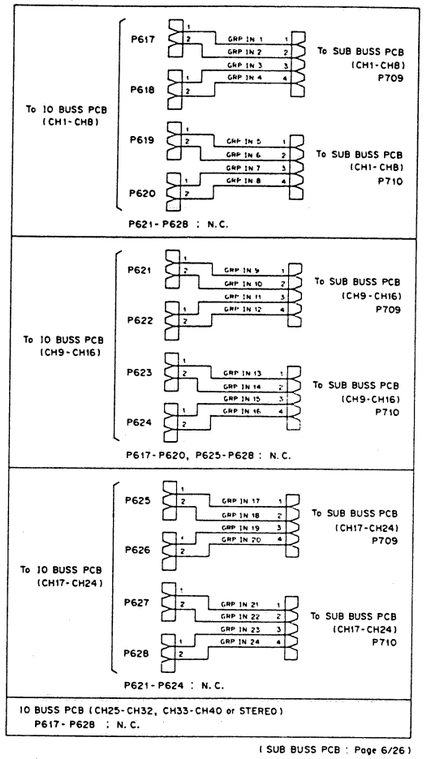
P101
1a AUX BUSS 1
1b AUX BUSS 1
2a AUX BUSS 2
2b AUX BUSS 2
44a WUDT
44b WWRT
45a CONT V
45b FV

To SUB BUSS PCB
(Page 6/26)

IO BUSS PCB


1
2
3
4
5
6
7
8
A
B
C
D
E
P637
METER OUT 1
METER OUT 2
METER OUT 3
METER OUT 4
GND
P638
METER OUT 5
METER OUT 6
METER OUT 7
METER OUT 8
P616
P612
P613
P614
P641
ST BUSS L
ST BUSS R
P615
SEL 3
SEL 2
SEL 1
P623
P625
P627
P624
P626
P628
P617
P619
P621
P618
P620
P622
STEREO MODULE
I/O MODULE
DSUB (I) PCB
IO BUSS PCB
For STEREO MODULE
For I/O MODULE
RCV R
INS RCV
SND R
INS SND
RCV L
GRP OUT
SND L
RTN MON
LINE A-R
LINE IN
LINE A-L
MIC IN
LINE B-R
(N.C.)
LINE B-L
(N.C.)
(J802)
P636
P635
P634
P633
P632
P631
P630
P629
STEREO (A) PCB
IO (A) PCB
IO BUSS PCB
I/O MODULE
STEREO MODULE
METER OUT
(P101)
(P001)
J608
J607
J606
J605
J604
J603
J602
J601
+48V
GRP BUSS 1
GRP BUSS 2
GRP BUSS 13
GRP BUSS 14
GRP BUSS 5
GRP BUSS 6
GRP BUSS 17
GRP BUSS 18
GRP BUSS 9
GRP BUSS 10
GRP BUSS 21
GRP BUSS 22
GRP BUSS 3
GRP BUSS 4
GRP BUSS 15
GRP BUSS 16
GRP BUSS 7
GRP BUSS 8
GRP BUSS 19
GRP BUSS 20
GRP BUSS 11
GRP BUSS 12
GRP BUSS 23
GRP BUSS 24
ST BUSS L
ST BUSS R
CH8
CH7
CH6
CH5
CH4
CH3
CH2
CH1
P609
P610
P611
To GND BAR
DSUB (I) PCB
(Page 19/26)
IO (A) PCB or
STEREO (A) PCB
(Page 1/26)
(Page 7/26)
IO BUSS PCB

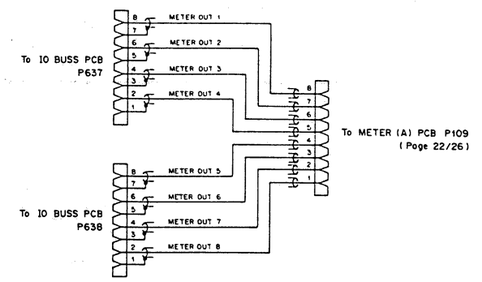


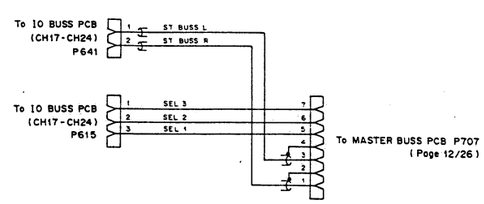


(SUB BUSS PCB : Page 6/26)

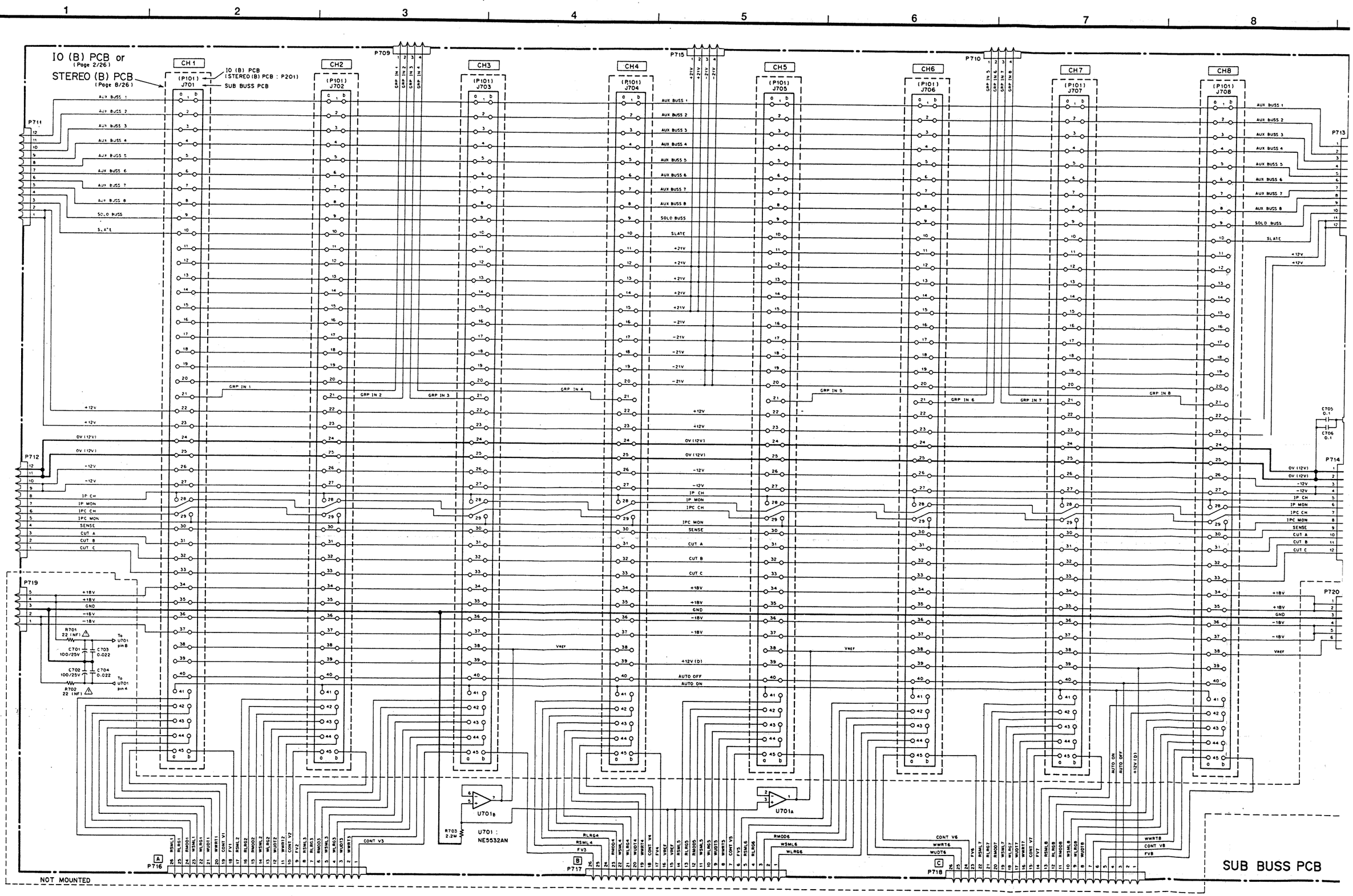
IO BUSS PCB		CONNECTED TO ---
CH1-CH8	P609	
	P610	N. C.
	P611	
	P612	To IO BUSS PCB (CH9-CH16) P609
	P613	To IO BUSS PCB (CH9-CH16) P610
	P614	To IO BUSS PCB (CH9-CH16) P611
	P615	
	P616	N. C.
	P641	
CH9-CH16	P609	To IO BUSS PCB (CH1-CH8) P612
	P610	To IO BUSS PCB (CH1-CH8) P613
	P611	To IO BUSS PCB (CH1-CH8) P614
	P612	To IO BUSS PCB (CH17-CH24) P609
	P613	To IO BUSS PCB (CH17-CH24) P610
	P614	To IO BUSS PCB (CH17-CH24) P611
	P615	
	P616	N. C.
	P641	
CH17-CH24	P609	To IO BUSS PCB (CH9-CH16) P612
	P610	To IO BUSS PCB (CH9-CH16) P613
	P611	To IO BUSS PCB (CH9-CH16) P614
	P612	To IO BUSS PCB (CH25-CH32) P609
	P613	To IO BUSS PCB (CH25-CH32) P610
	P614	To IO BUSS PCB (CH25-CH32) P611
	P615	To MASTER BUSS PCB P707
	P616	To REG PCB P09
	P641	To MASTER BUSS PCB P707
CH25-CH32	P609	To IO BUSS PCB (CH17-CH24) P612
	P610	To IO BUSS PCB (CH17-CH24) P613
	P611	To IO BUSS PCB (CH17-CH24) P614
	P612	To IO BUSS PCB (CH33-CH40) P609
	P613	To IO BUSS PCB (CH33-CH40) P610
	P614	To IO BUSS PCB (CH33-CH40) P611
	P615	
	P616	N. C.
	P641	
CH33-CH40 (STEREO)	P609	To IO BUSS PCB (CH25-CH32) P612
	P610	To IO BUSS PCB (CH25-CH32) P613
	P611	To IO BUSS PCB (CH25-CH32) P614
	P612	
	P613	
	P614	N. C.
	P615	
	P616	
	P641	

(MASTER BUSS PCB : Page 12/26)
(REG PCB : Page 18/26)

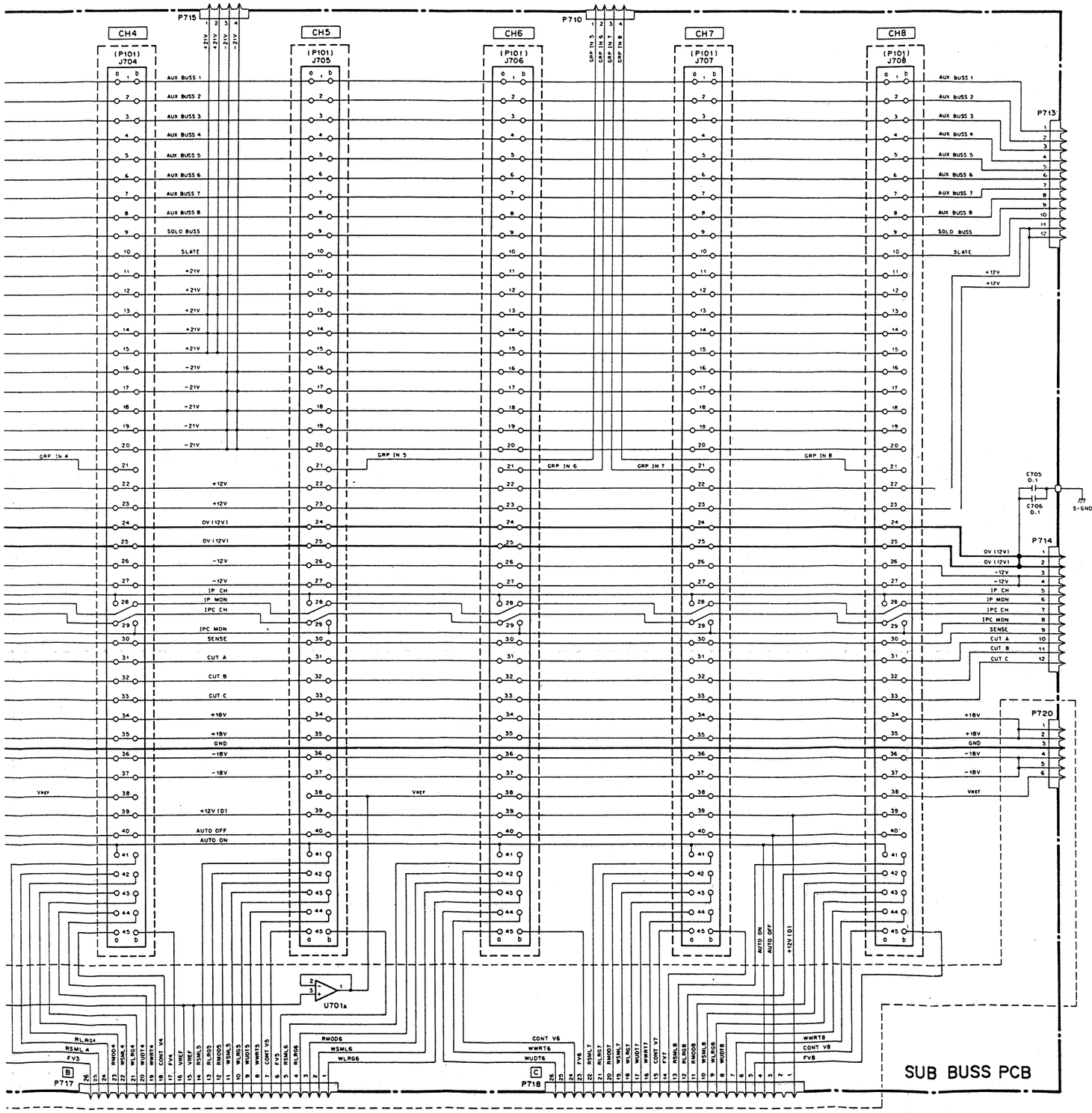




SUB BUSS PCB



6/26



To SUB BUSS PCB (CH1-CH8)

To P709
- GRP IN 1 → To 10 BUSS PCB (CH1-CH8) P617
- GRP IN 2
- GRP IN 3 → To 10 BUSS PCB (CH1-CH8) P618
- GRP IN 4

To P710
- GRP IN 5 → To 10 BUSS PCB (CH1-CH8) P619
- GRP IN 6
- GRP IN 7 → To 10 BUSS PCB (CH1-CH8) P620
- GRP IN 8

To SUB BUSS PCB (CH9-CH16)

To P709
- GRP IN 9 → To 10 BUSS PCB (CH9-CH16) P621
- GRP IN 10
- GRP IN 11 → To 10 BUSS PCB (CH9-CH16) P622
- GRP IN 12

To P710
- GRP IN 13 → To 10 BUSS PCB (CH9-CH16) P623
- GRP IN 14
- GRP IN 15 → To 10 BUSS PCB (CH9-CH16) P624
- GRP IN 16

To SUB BUSS PCB (CH17-CH24)

To P709
- GRP IN 17 → To 10 BUSS PCB (CH17-CH24) P625
- GRP IN 18
- GRP IN 19 → To 10 BUSS PCB (CH17-CH24) P626
- GRP IN 20

To P710
- GRP IN 21 → To 10 BUSS PCB (CH17-CH24) P627
- GRP IN 22
- GRP IN 23 → To 10 BUSS PCB (CH17-CH24) P628
- GRP IN 24

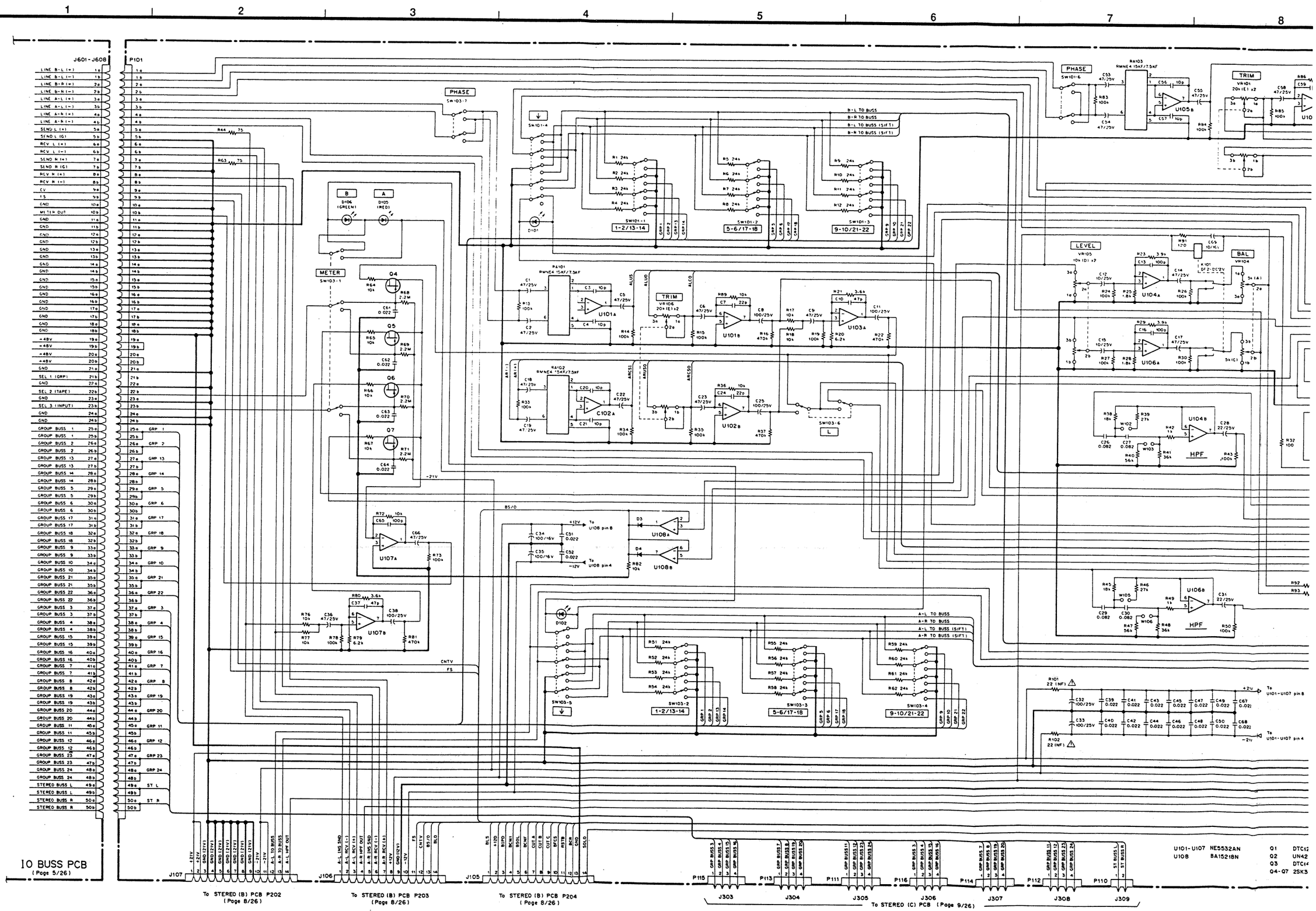
SUB BUSS PCB (CH25-CH32, CH33-CH40 or STEREO)
P709, P710 : N. C.

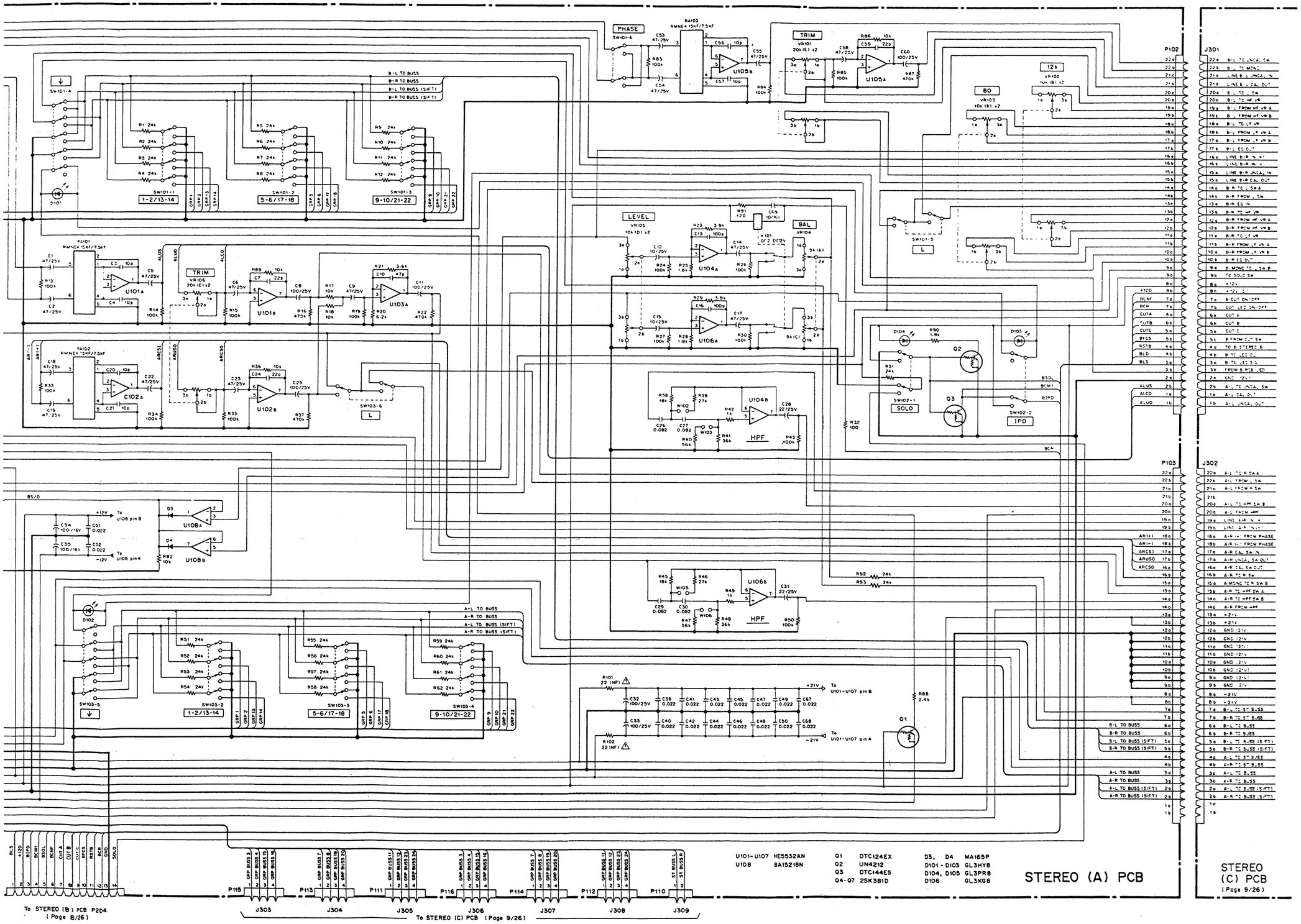
(10 BUSS PCB : Page 5/26)

SUB BUSS PCB		CONNECTED TO ---
CH1-CH8	P711	N. C.
	P712	N. C.
	P713	SUB BUSS PCB (CH9-CH16) P711
	P714	SUB BUSS PCB (CH9-CH16) P712
	P715	REG PCB P01
CH9-CH16	P711	SUB BUSS PCB (CH1-CH8) P713
	P712	SUB BUSS PCB (CH1-CH8) P714
	P713	SUB BUSS PCB (CH17-CH24) P711
	P714	SUB BUSS PCB (CH17-CH24) P712
	P715	REG PCB P02
CH17-CH24	P711	SUB BUSS PCB (CH9-CH16) P713
	P712	SUB BUSS PCB (CH9-CH16) P714
	P713	MASTER BUSS PCB P708
	P714	MASTER BUSS PCB P709
	P715	REG PCB P03
CH25-CH32	P711	MASTER BUSS PCB P713
	P712	MASTER BUSS PCB P714
	P713	SUB BUSS PCB (CH33-CH40) P711
	P714	SUB BUSS PCB (CH33-CH40) P712
	P715	REG PCB P04
CH33-CH40	P711	SUB BUSS PCB (CH25-CH32) P713
	P712	SUB BUSS PCB (CH25-CH32) P714
	P713	N. C.
	P714	N. C.
	P715	REG PCB P05

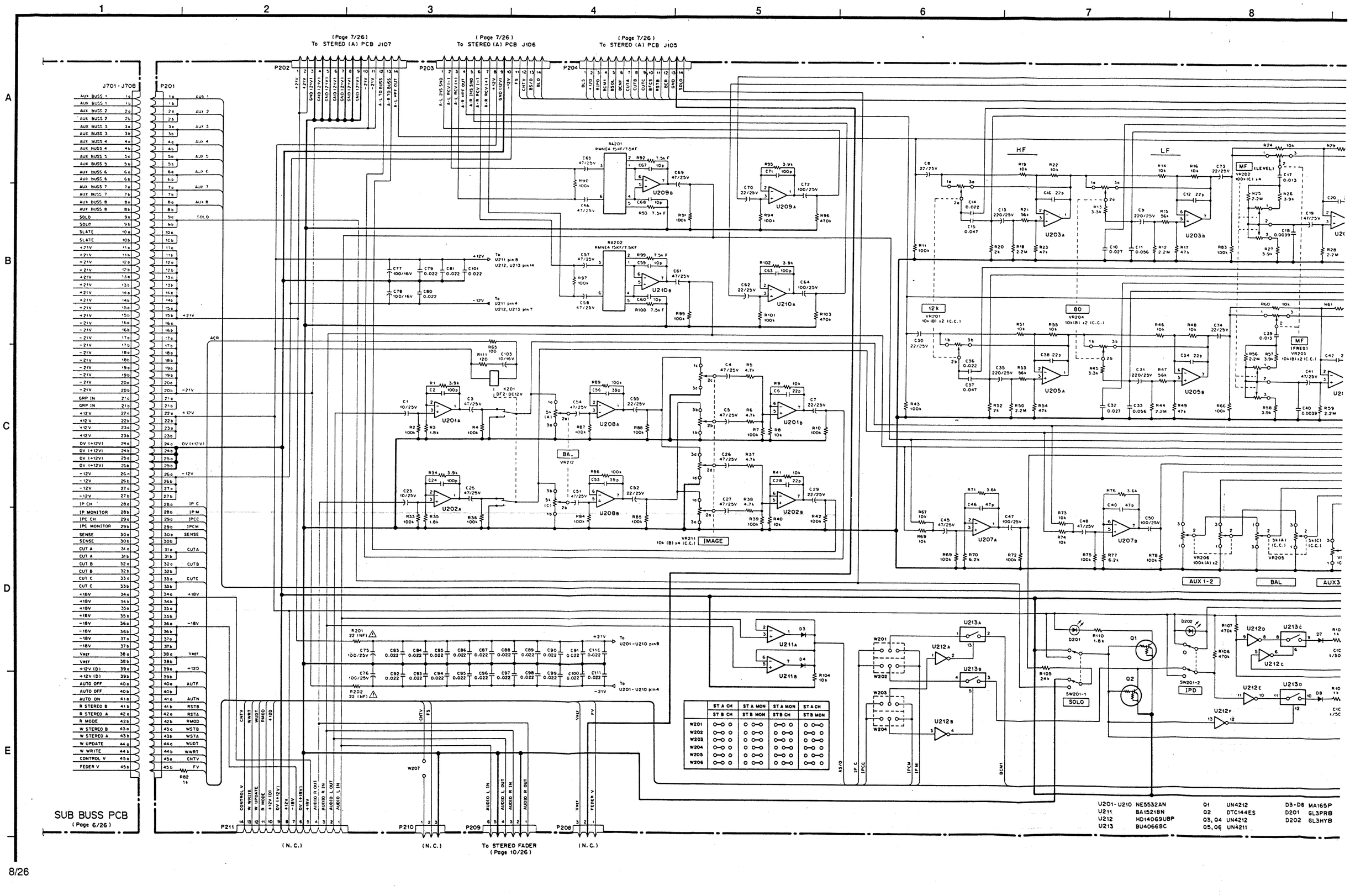
(MASTER BUSS PCB : Page 12/26
REG PCB : Page 18/26)

STEREO (A) PCB (Option)




PHASE
SW101-6
TRIM
VR101 20k (E) x2
LEVEL
VR105 10k (D) x2
BAL
VR104
BO
VR103 10k (B) x2
12k
VR102 10k (B) x2
SOLO
SW102-1
IPD
SW102-2
HPF
SW101-1 1-2/13-14
SW101-2 5-6/17-18
SW101-3 9-10/21-22
SW103-2 1-2/13-14
SW103-3 5-6/17-18
SW103-4 9-10/21-22
P102
P103
J301
J302
A-L TO BUSS
A-R TO BUSS
A-L TO BUSS (SIFT)
A-R TO BUSS (SIFT)
B-L TO BUSS
B-R TO BUSS
B-L TO BUSS (SIFT)
B-R TO BUSS (SIFT)
+12V
-12V
GND (12V)
U101-U107 ME5532AN
U108 BA15218N
Q1 DTC124EX
Q2 UN4212
Q3 DTC144ES
Q4-Q7 2SK381D
D3, D4 MA165P
D101-D103 GL3HY8
D104, D105 GL3PR8
D106 GL3KG8
STEREO (A) PCB
STEREO (C) PCB
(Page 9/26)
To STEREO (B) PCB P204 (Page 8/26)
To STEREO (C) PCB (Page 9/26)

STEREO (B) PCB (Option)



(Page 7/26)
To STEREO (A) PCB J105

J4 BLS +12D BIPD BCM1 BSOL BSOR CUTA CUTC CUTB BFCS RSTB BCR GND SOLO

HF LF MF (LEVEL) MF (FREQ) MF

12k 80 IMAGE

AUX 1-2 BAL AUX3 AUX4 AUX5/7 AUX6/8

	ST A CH	ST A MON	ST A MON	ST A CH
	ST B CH	ST B MON	ST B CH	ST B MON
W201				
W202				
W203				
W204				
W205				
W206				

U201- U210	NE5532AN	Q1	UN4212	D3-D8	MA165P
U211	BA15218N	Q2	DTC144ES	D201	GL3PR8
U212	HD14069UBP	Q3, Q4	UN4212	D202	GL3HY8
U213	BU4066BC	Q5, Q6	UN4211		

P205

16a	A-L TO HF SW A	
16b	A-L TO HF SW B	
15a	A-R TO HF SW A	
15b	A-R TO HF SW B	
14a	A-L TO LF SW A	
14b	A-L TO LF SW B	
13a	A-R TO LF SW A	
13b	A-R TO LF SW B	
12a	A-L FROM EQ SW	
12b	A-L TO EQ SW (OFF)	
11a	A-L TO EQ SW (ON)	
11b	A-R FROM EQ SW	
10a	A-R TO EQ SW (OFF)	
10b	A-R TO EQ SW (ON)	
9a	A-L TO AUX (POST)	
9b	A-L TO AUX (PRE)	
8a	A-R TO AUX (POST)	
8b	A-R TO AUX (PRE)	
7a	A-MONO TO AUX (POST)	
7b	A-MONO TO AUX (PRE)	
6a	A-L FROM AUX 1/2 SW	
6b	A-R FROM AUX 1/2 SW	
5a	AUX 1 TO CUT SW	
5b	AUX 2 TO CUT SW	
4a	AUX 1 FROM CUT SW	AUX 1
4b	AUX 2 FROM CUT SW	AUX 2
3a	FROM AUX PRE/MONO SW	
3b	FROM AUX PRE/MONO SW	
2a	AUX 3 TO CUT SW	
2b	AUX 4 TO CUT SW	
1a	AUX 3 FROM CUT SW	AUX 3
1b	AUX 4 FROM CUT SW	AUX 4

J401

16a	A-L TO HF SW A
16b	A-L TO HF SW B
15a	A-R TO HF SW A
15b	A-R TO HF SW B
14a	A-L TO LF SW A
14b	A-L TO LF SW B
13a	A-R TO LF SW A
13b	A-R TO LF SW B
12a	A-L FROM EQ SW
12b	A-L TO EQ SW (OFF)
11a	A-L TO EQ SW (ON)
11b	A-R FROM EQ SW
10a	A-R TO EQ SW (OFF)
10b	A-R TO EQ SW (ON)
9a	A-L TO AUX (POST)
9b	A-L TO AUX (PRE)
8a	A-R TO AUX (POST)
8b	A-R TO AUX (PRE)
7a	A-MONO TO AUX (POST)
7b	A-MONO TO AUX (PRE)
6a	A-L FROM AUX 1/2 SW
6b	A-R FROM AUX 1/2 SW
5a	AUX 1 TO CUT SW
5b	AUX 2 TO CUT SW
4a	AUX 1 FROM CUT SW
4b	AUX 2 FROM CUT SW
3a	FROM AUX PRE/MONO SW
3b	FROM AUX PRE/MONO SW
2a	AUX 3 TO CUT SW
2b	AUX 4 TO CUT SW
1a	AUX 3 FROM CUT SW
1b	AUX 4 FROM CUT SW

P206

16a	AUX 5/7 TO CUT SW	
16b	AUX 6/8 TO CUT SW	
15a	FROM AUX5	AUX 5
15b	FROM AUX6	AUX 6
14a	FROM AUX7	AUX 7
14b	FROM AUX8	AUX 8
13a	GND (21V)	
13b	GND (21V)	
12a	GND (21V)	
12b	GND (21V)	
11a	GND (21V)	
11b	FROM B PCB LED OUT	
10a	+12V	
10b	+12V (D)	+12D
9a	GND (+12V)	
9b	A TO SIG/OL CIRCUIT	AS/O
8a	B TO SIG/OL CIRCUIT	BS/O
8b	B TO LED SIG	BLS
7a	B TO LED OL	BL O
7b	CUT A	CUT A
6a	CUT B	CUT B
6b	CUT C	CUT C
5a	TO R STEREO A	RSTA
5b	A TO CUT RELAY	ACR
4a	A CUT SW ON/OFF	ACNF
4b	B FROM CUT SW	BFCS
3a	B TO CUT RELAY	BCR
3b	B CUT SW ON/OFF	BCNF
2a	AUTO OFF	AUTF
2b	AUTO ON	AUTN
1a	W STEREO B	WSTB
1b	W STEREO A	WSTA

J402

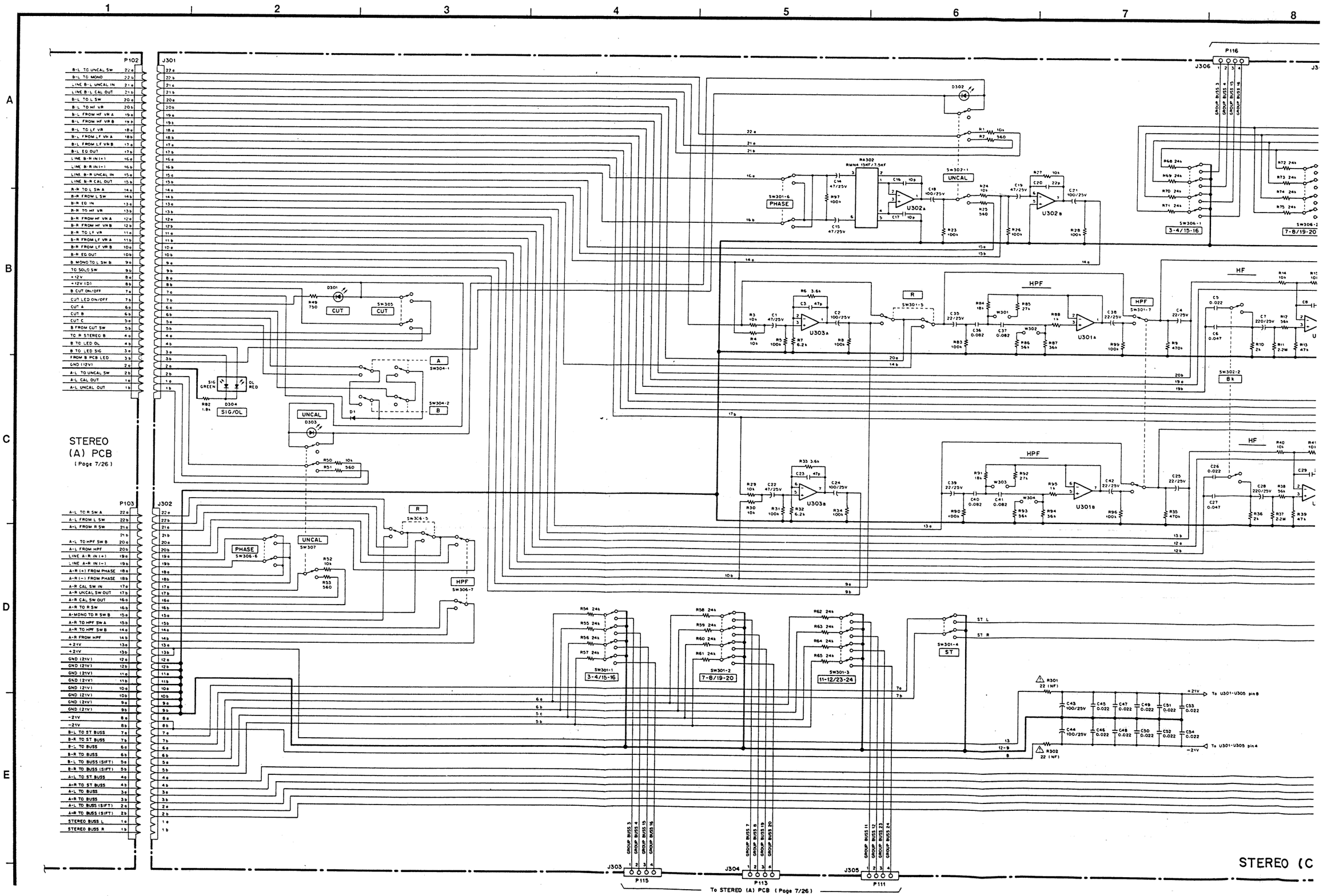
16a	AUX 5/7 TO CUT SW
16b	AUX 6/8 TO CUT SW
15a	FROM AUX5
15b	FROM AUX6
14a	FROM AUX7
14b	FROM AUX8
13a	GND (21V)
13b	GND (21V)
12a	GND (21V)
12b	GND (21V)
11a	GND (21V)
11b	FROM B PCB LED OUT
10a	+12V
10b	+12V (D)
9a	GND (+12V)
9b	A TO SIG/OL CIRCUIT
8a	B TO SIG/OL CIRCUIT
8b	B TO LED SIG
7a	B TO LED OL
7b	CUT A
6a	CUT B
6b	CUT C
5a	TO R STEREO A
5b	A TO CUT RELAY
4a	A CUT SW ON/OFF
4b	B FROM CUT SW
3a	B TO CUT RELAY
3b	B CUT SW ON/OFF
2a	AUTO OFF
2b	AUTO ON
1a	W STEREO B
1b	W STEREO A

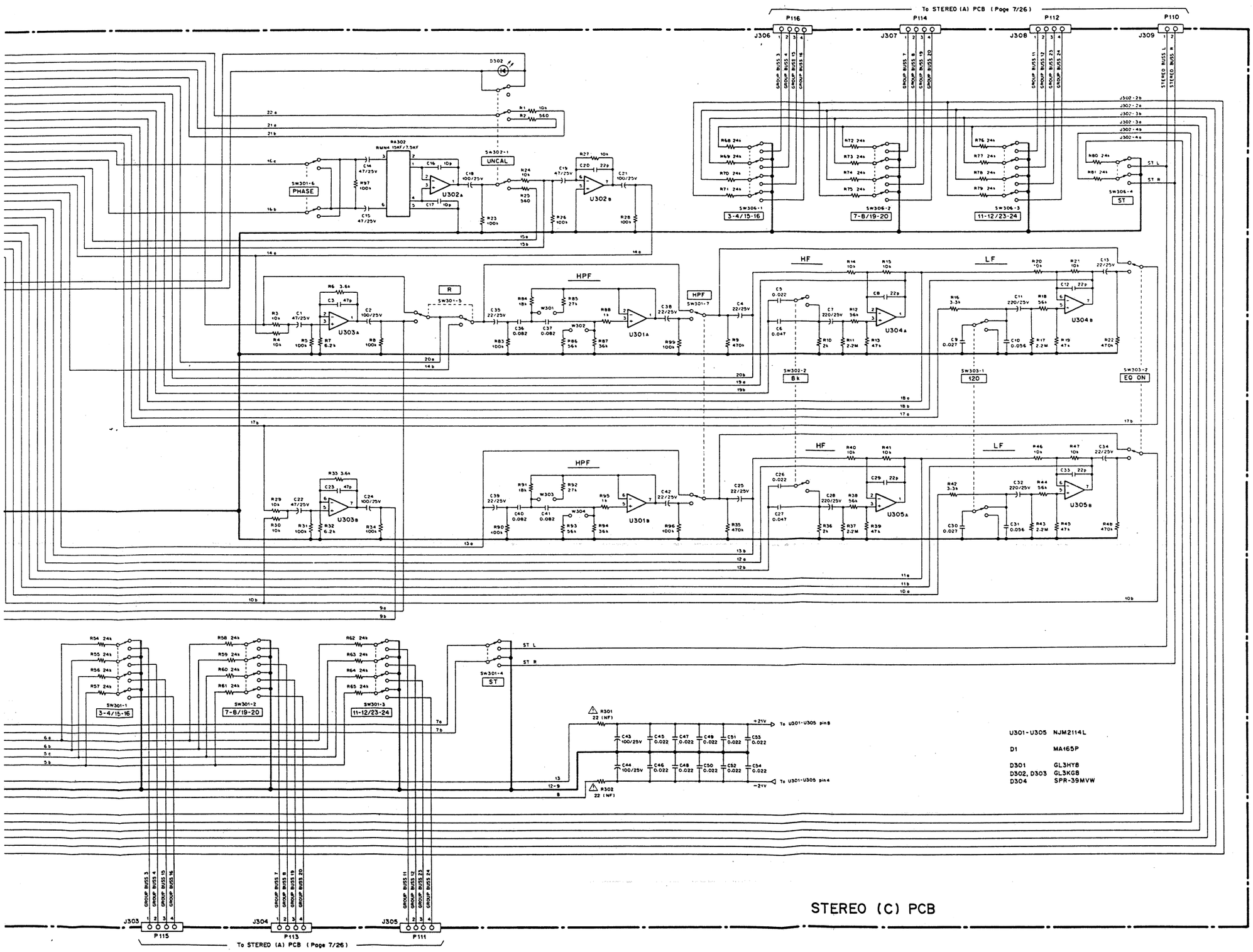
STEREO (B) PCB

STEREO (D) PCB
(Page 10/26)

(N. C.)

STEREO (C) PCB (Option)



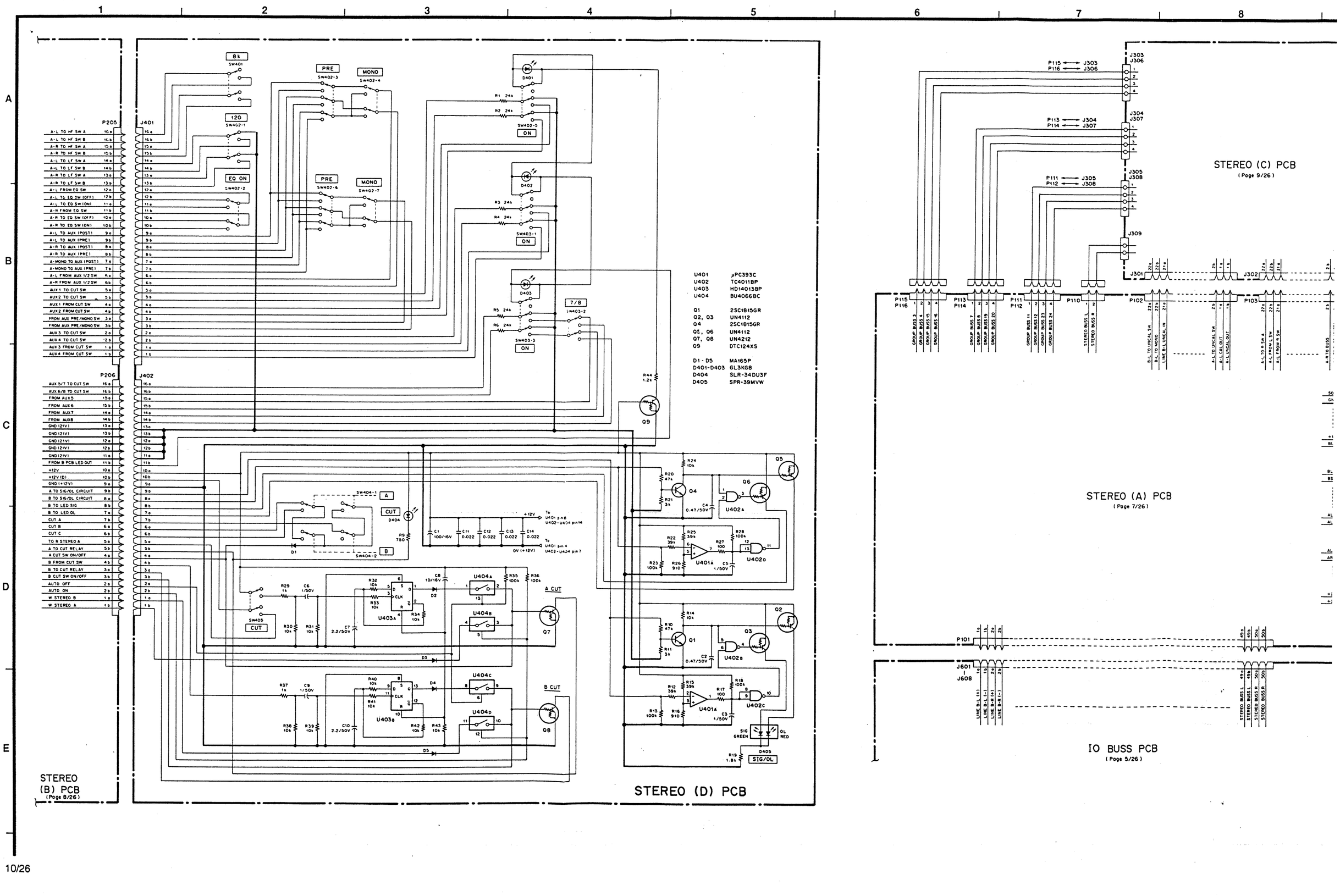


STEREO (C) PCB

U301-U305 NJM2114L

D1 MA165P

D301 GL3HY8
D302, D303 GL3KG8
D304 SPR-39MVW


1
2
3
4
5
6
7
8
A
B
C
D
E
8k
SW401
120
SW402-1
EQ ON
SW402-2
PRE
SW402-3
MONO
SW402-4
PRE
SW402-6
MONO
SW402-7
7/8
SW403-2
SW405
CUT
P205
P206
J401
J402
D401
D402
D403
D404
D405
R1 24k
R2 24k
R3 24k
R4 24k
R5 24k
R6 24k
SW402-5
SW403-1
SW403-3
ON
R44 1.2k
Q9
U401 µPC393C
U402 TC4011BP
U403 HD14013BP
U404 BU4066BC
Q1 2SC1815GR
Q2, Q3 UN4112
Q4 2SC1815GR
Q5, Q6 UN4112
Q7, Q8 UN4212
Q9 DTC124XS
D1 - D5 MA165P
D401-D403 GL3KGB
D404 SLR-34DU3F
D405 SPR-39MVW
SW404-1
SW404-2
A
B
CUT
D404
D1
R9 750
C1 100/16V
C11 0.022
C12 0.022
C13 0.022
C14 0.022
+12V
0V (+12V)
U403A
U403B
U404A
U404B
U404C
U404D
R32 10k
R33 10k
R34 10k
R40 10k
R41 10k
R42 10k
R43 10k
C8 10/16V
D2
D3
D4
D5
A CUT
B CUT
Q7
Q8
R29 1k
C6 1/50V
R30 10k
R31 10k
C7 2.2/50V
R37 1k
C9 1/50V
R38 10k
R39 10k
C10 2.2/50V
R35 100k
R36 100k
Q4
Q5
Q6
Q1
Q2
Q3
U402A
U402B
U402C
U402D
U401A
R20 47k
R21 3k
R22 39k
R23 100k
R24 10k
R25 39k
R26 910
R27 100
R28 100k
C4 0.47/50V
C5 1/50V
R10 47k
R11 3k
R12 39k
R13 100k
R14 10k
R15 39k
R16 910
R17 100
R18 100k
C2 0.47/50V
C3 1/50V
SIG GREEN
OL RED
R19 1.8k
D405
SIG/OL
STEREO (B) PCB
(Page 8/26)
STEREO (D) PCB

P115 ⟷ J303
P116 ⟷ J306
P113 ⟷ J304
P114 ⟷ J307
P111 ⟷ J305
P112 ⟷ J308
J303 J306
J304 J307
J305 J308
J309
J301
J302
P115 P116
P113 P114
P111 P112
P110
P102
P103
GROUP BUSS 3
GROUP BUSS 4
GROUP BUSS 15
GROUP BUSS 16
GROUP BUSS 7
GROUP BUSS 8
GROUP BUSS 19
GROUP BUSS 20
GROUP BUSS 11
GROUP BUSS 12
GROUP BUSS 23
GROUP BUSS 24
STEREO BUSS L
STEREO BUSS R
BUS TO UNICAL SW
BUS TO MONO
LINE B-L UNICAL IN
A-L TO UNICAL SW
A-L CAL OUT
A-L UNICAL OUT
A-L TO R SW A
A-L FROM L SW
A-L FROM R SW
A-R TO BUSS
STEREO (C) PCB
(Page 9/26)
STEREO (A) PCB
(Page 7/26)
P101
J601
J608
LINE B-L (+)
LINE B-L (−)
LINE B-R (+)
LINE B-R (−)
STEREO BUSS L
STEREO BUSS L
STEREO BUSS R
STEREO BUSS R
IO BUSS PCB
(Page 5/26)

U401	μPC393C
U402	TC4011BP
U403	HD14013BP
U404	BU4066BC
Q1	2SC1815GR
Q2, Q3	UN4112
Q4	2SC1815GR
Q5, Q6	UN4112
Q7, Q8	UN4212
Q9	DTC124XS
D1 - D5	MA165P
D401-D403	GL3KG8
D404	SLR-34DU3F
D405	SPR-39MVW

STEREO (D) PCB

STEREO (C) PCB
(Page 9/26)

STEREO (D) PCB
(Page 10/26)

STEREO (A) PCB
(Page 7/26)

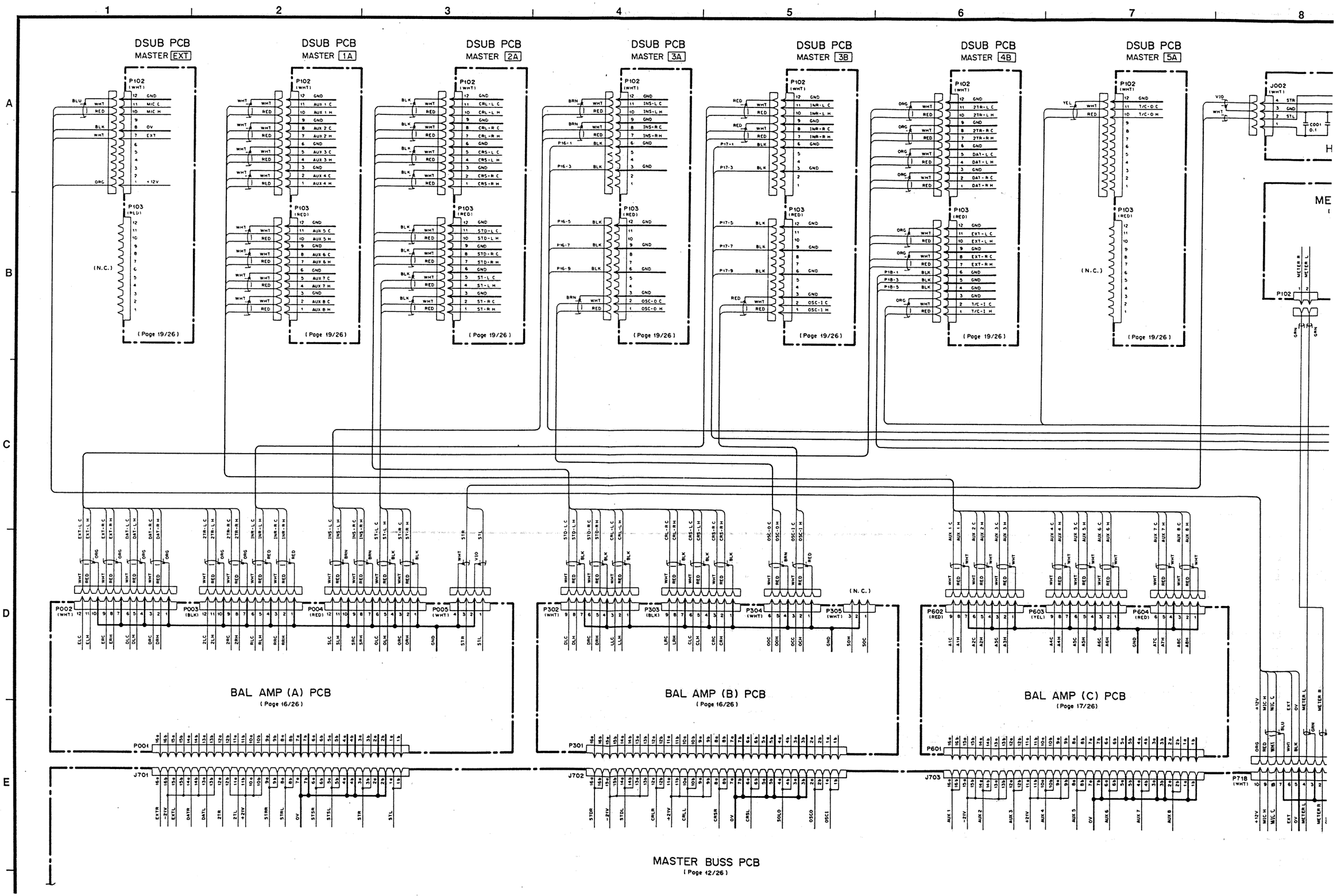
STEREO (B) PCB
(Page 8/26)

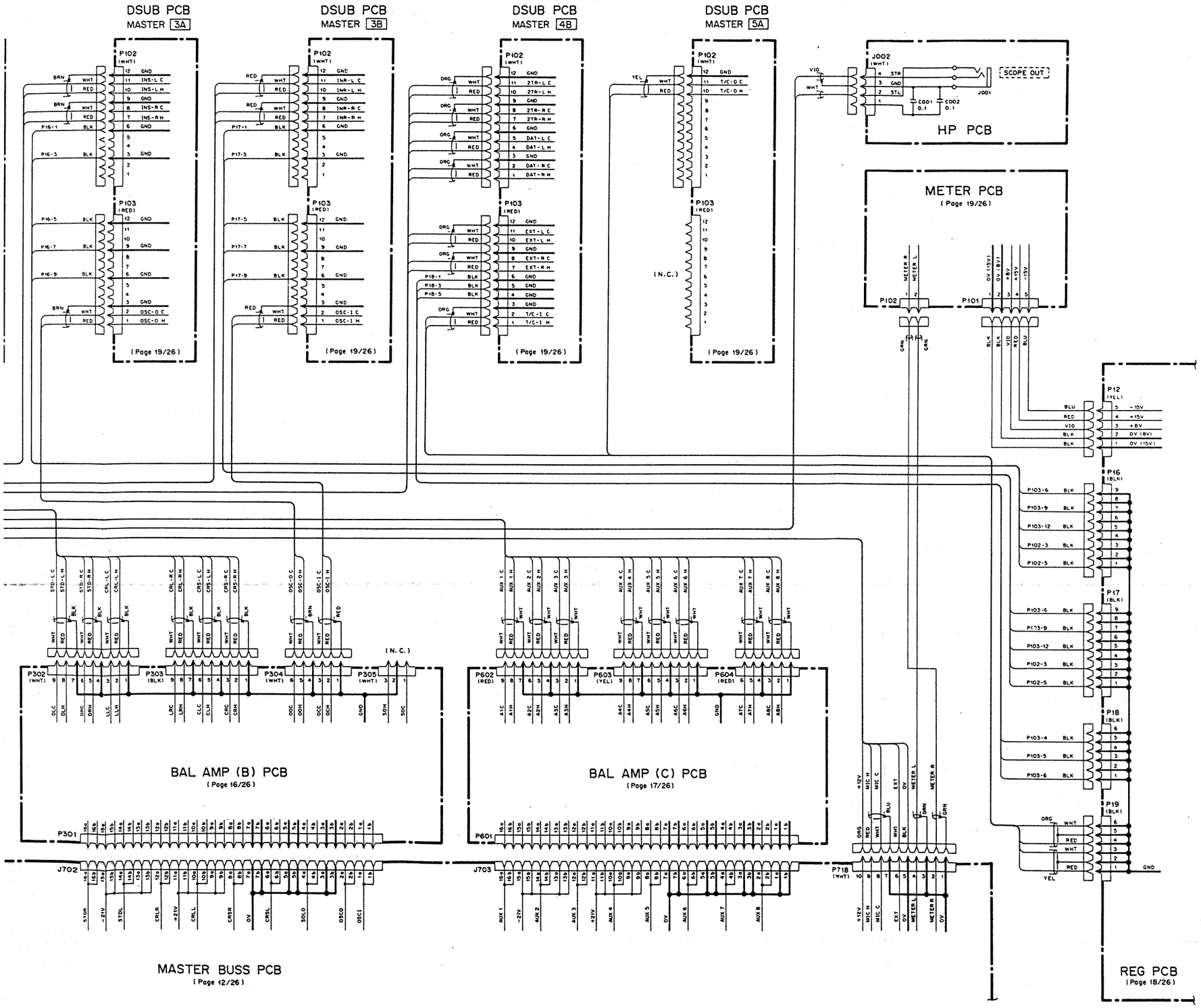
IO BUSS PCB
(Page 5/26)

SUB BUSS PCB
(Page 6/26)

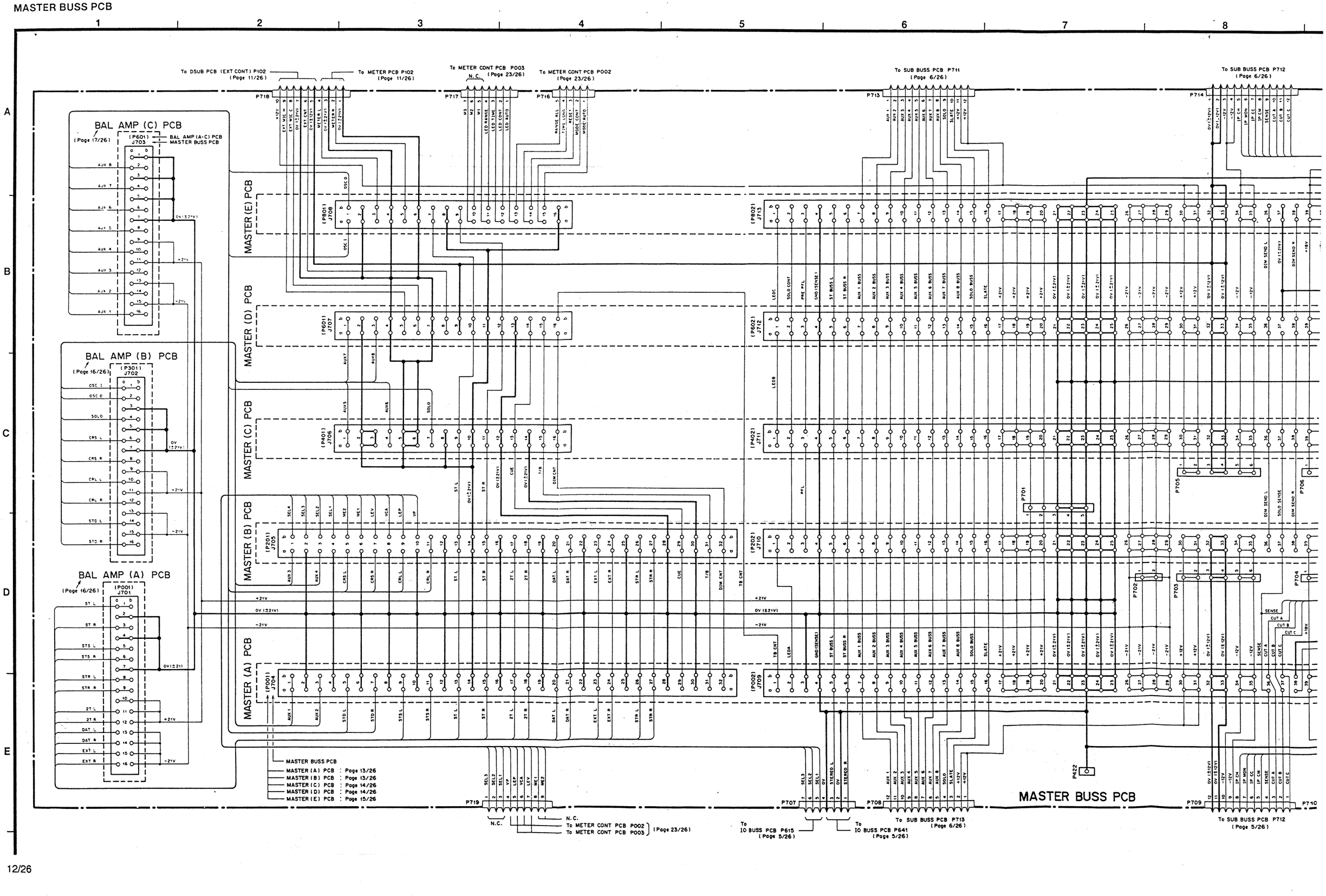
STEREO FADER

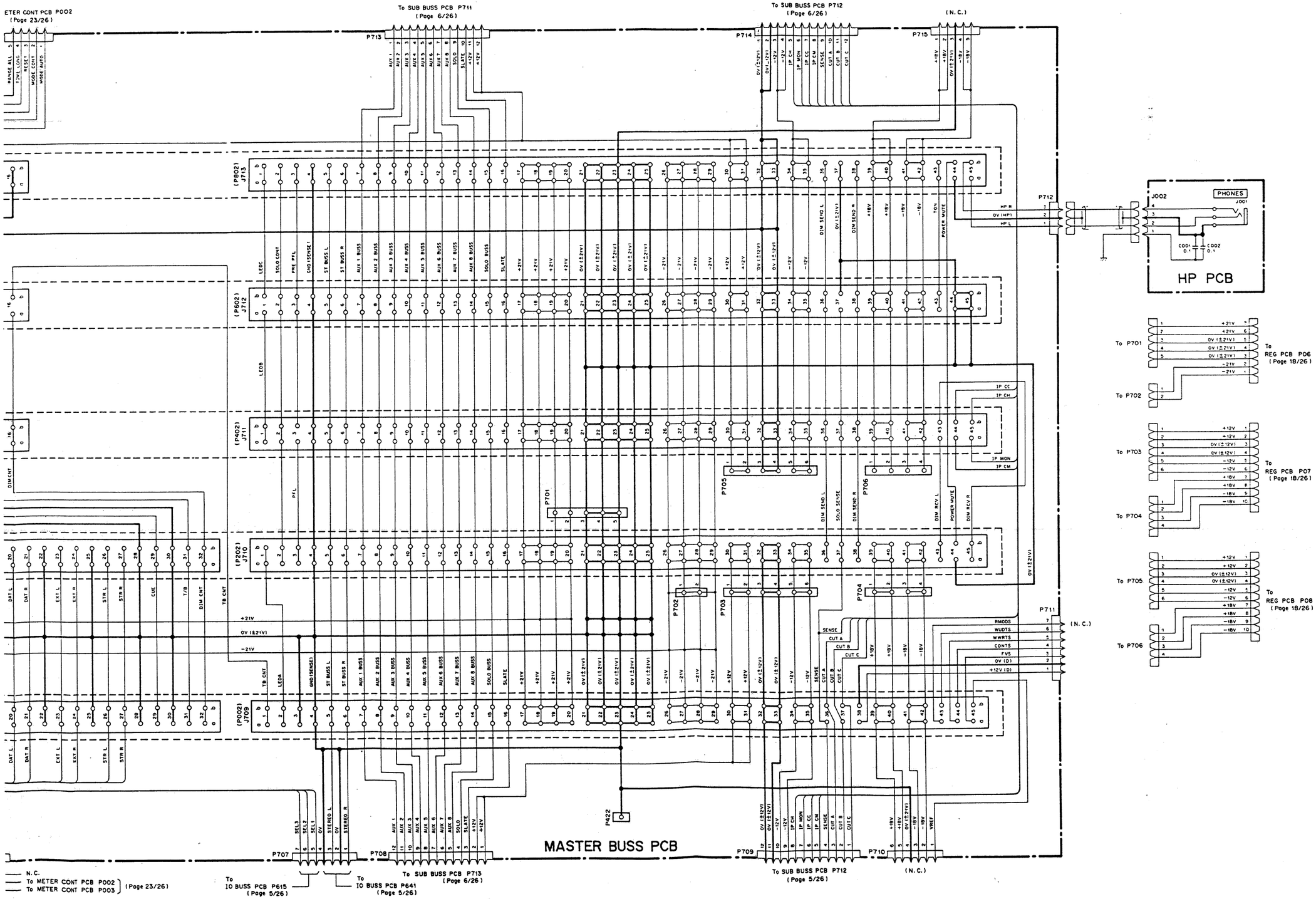
MASTER SECTION WIRING DIAGRAM

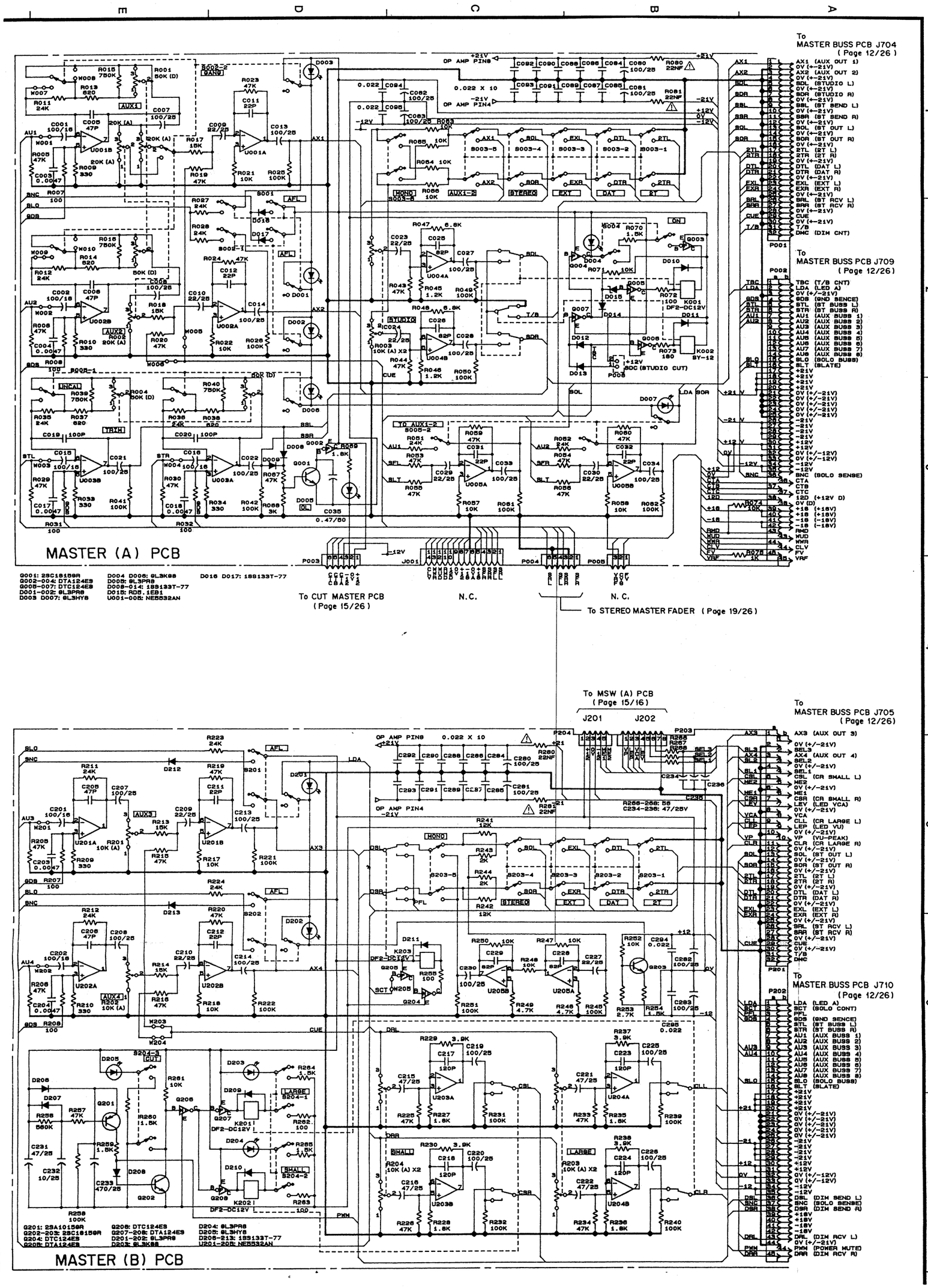



DSUB PCB
MASTER 3A
DSUB PCB
MASTER 3B
DSUB PCB
MASTER 4B
DSUB PCB
MASTER 5A
P102 (WHT)
P103 (RED)
(Page 19/26)
(N.C.)
J002 (WHT)
SCOPE OUT
J001
C001 0.1
C002 0.1
HP PCB
METER PCB
(Page 19/26)
METER R
METER L
P101
P12 (YLL)
P16 (BLK)
P17 (BLK)
P18 (BLK)
P19 (BLK)
REG PCB
(Page 18/26)
P302 (WHT)
P303 (BLK)
P304 (WHT)
P305 (WHT)
BAL AMP (B) PCB
(Page 16/26)
P602 (RED)
P603 (YEL)
P604 (RED)
BAL AMP (C) PCB
(Page 17/26)
P301
P601
J702
J703
P718 (WHT)
MASTER BUSS PCB
(Page 12/26)

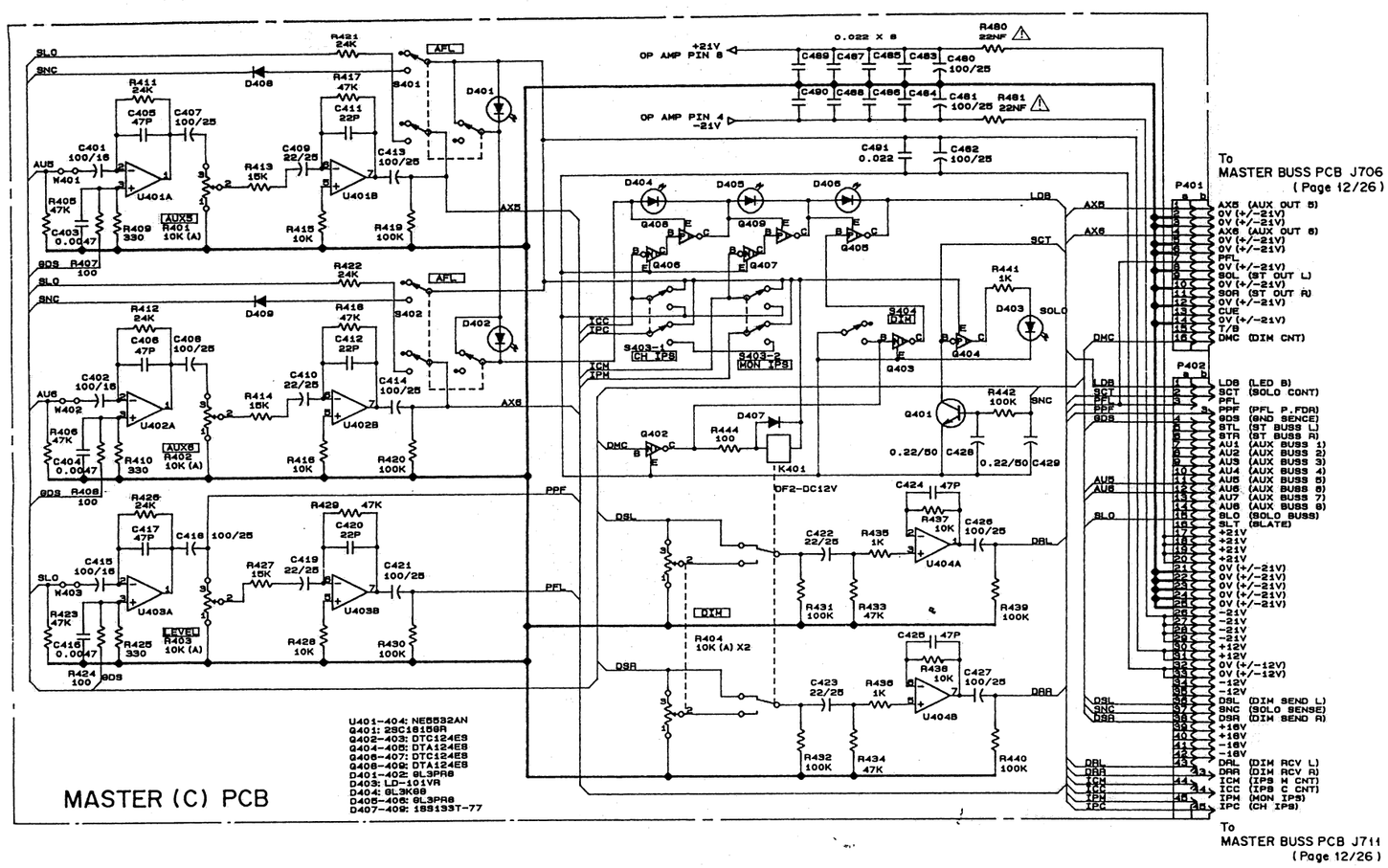
MASTER BUSS PCB

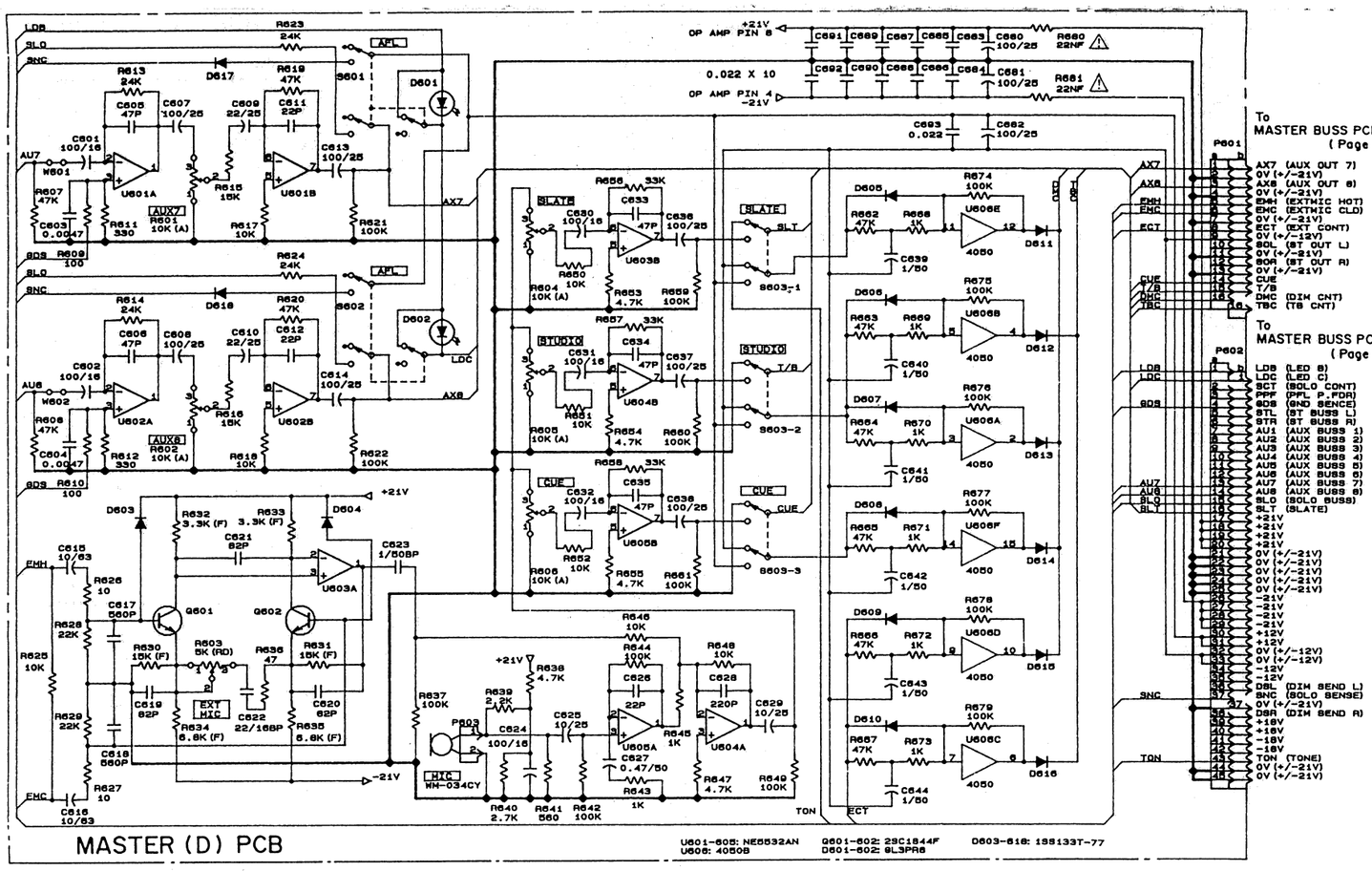


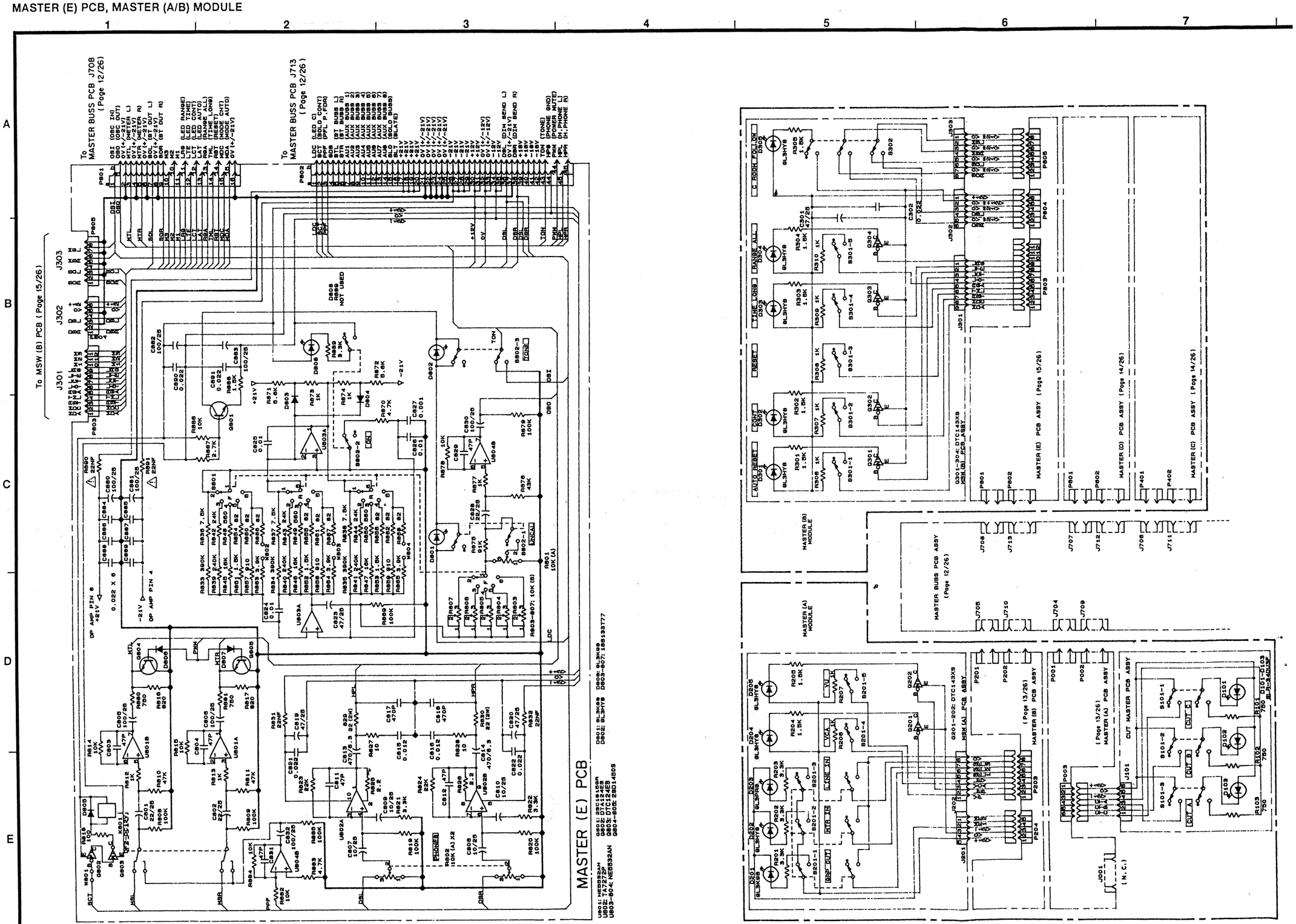

METER CONT PCB P002
(Page 23/26)
To SUB BUSS PCB P711
(Page 6/26)
To SUB BUSS PCB P712
(Page 6/26)
(N.C.)
P713
P714
P715
RANGE ALL
PFL LOCK
RESET
MODE CONT
MODE AUTO
AUX 1
AUX 2
AUX 3
AUX 4
AUX 5
AUX 6
AUX 7
AUX 8
SOLO
SLATE
+12V
OV (±12V)
-12V
1P MON
1P CC
1P CH
1P CM
SENSE
CUT A
CUT B
CUT C
+18V
-18V
(P802) J713
(P602) J712
(P402) J711
(P202) J710
(P002) J709
LEDR
SOLO CONT
PRE FIL
GND/SENSE1
ST BUSS L
ST BUSS R
AUX 1 BUSS
AUX 2 BUSS
AUX 3 BUSS
AUX 4 BUSS
AUX 5 BUSS
AUX 6 BUSS
AUX 7 BUSS
AUX 8 BUSS
SOLO BUSS
SLATE
+21V
OV (±21V)
-21V
+12V
-12V
DIM SEND L
DIM SEND R
TON
POWER MUTE
P712
HP R
OV (HP)
HP L
J002
PHONES
J001
C001 0.1
C002 0.1
HP PCB
To P701
To P702
To P703
To P704
To P705
To P706
To REG PCB P06 (Page 18/26)
To REG PCB P07 (Page 18/26)
To REG PCB P08 (Page 18/26)
P701
P702
P703
P704
P705
P706
P711
RMODS
WUDTS
WWRTS
CONTS
FVS
OV (D)
+12V (D)
DIM CNT
DAT L
DAT R
EXT L
EXT R
STR L
STR R
CUE
T/B
DIM CNT
TB CNT
P422
MASTER BUSS PCB
P707
P708
P709
P710
SEL3
SEL2
SEL1
STEREO L
STEREO R
To IO BUSS PCB P615 (Page 5/26)
To IO BUSS PCB P641 (Page 5/26)
To SUB BUSS PCB P713 (Page 6/26)
To SUB BUSS PCB P712 (Page 5/26)
N.C.
To METER CONT PCB P002
To METER CONT PCB P003
(Page 23/26)

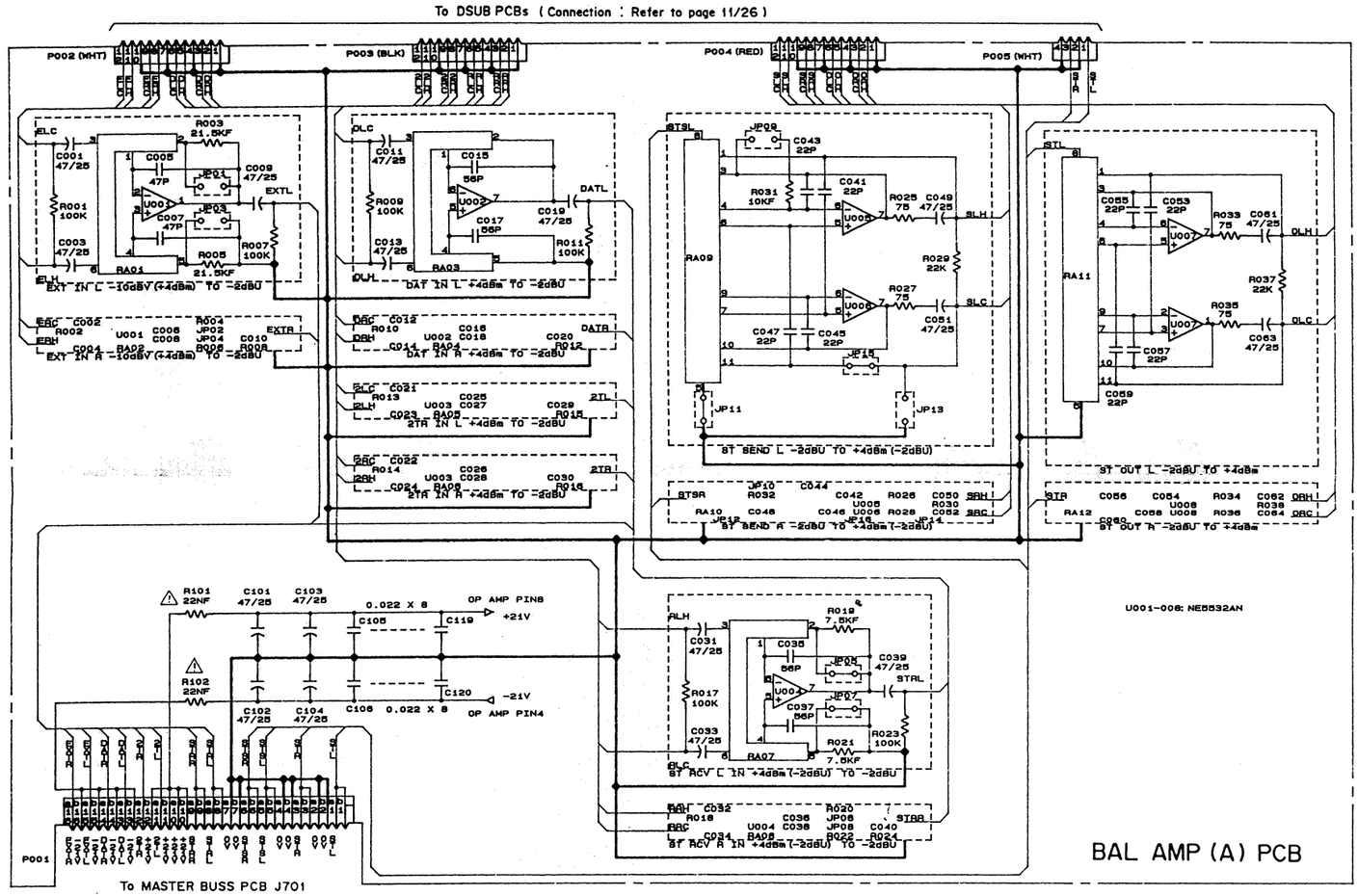

MASTER (A) PCB
MASTER (B) PCB
To MASTER BUSS PCB J704 (Page 12/26)
To MASTER BUSS PCB J709 (Page 12/26)
To MASTER BUSS PCB J705 (Page 12/26)
To MASTER BUSS PCB J710 (Page 12/26)
To CUT MASTER PCB (Page 15/26)
To STEREO MASTER FADER (Page 19/26)
To MSW (A) PCB (Page 15/16)
J201 J202
N.C.
N. C.
Q001: 2SC1815GR
Q002-004: DTA124ES
Q005-007: DTC124ES
D001-002: 6L3PR8
D003 D007: 6L3HY8
D004 D006: 6L3K68
D005: 6L3PR8
D008-014: 1SS133T-77
D015: RD5.1EB1
U001-005: NE5532AN
D016 D017: 1SS133T-77
Q201: 2SA1015GR
Q202-203: 2SC1815GR
Q204: DTC124ES
Q205: DTA124ES
Q206: DTC124ES
Q207-208: DTA124ES
D201-202: 6L3PR8
D203: 6L3K68
D204: 6L3PR8
D205: 6L3HY8
D206-213: 1SS133T-77
U201-205: NE5532AN

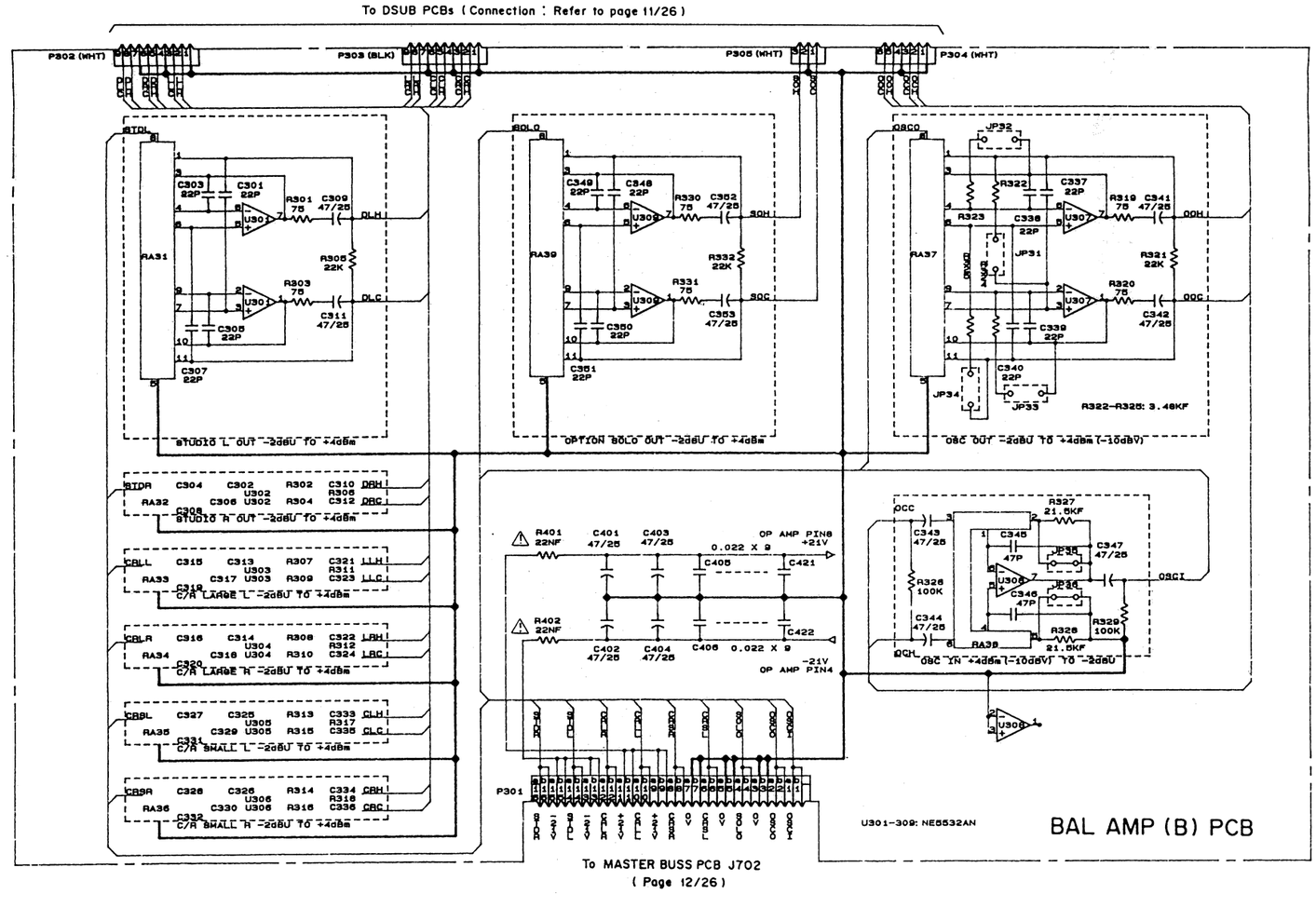
13/26

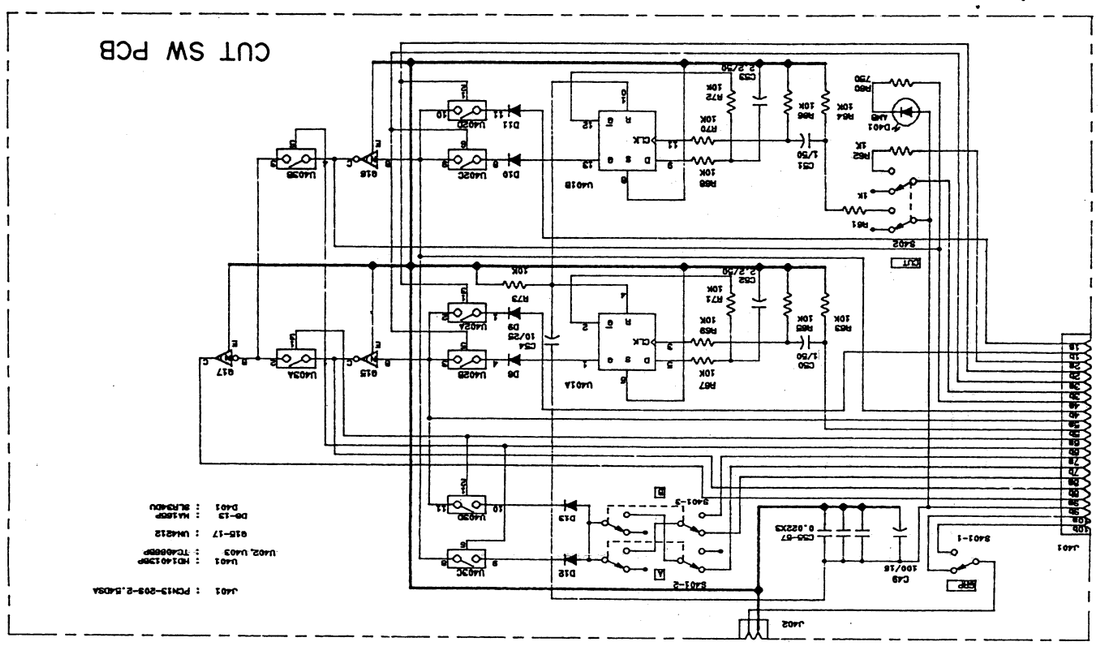

MASTER (C) PCB
U401-404: NE5532AN
U401: 2SC1815R
Q402-403: DTC124ES
Q404-405: DTA124ES
Q406-407: DTC124ES
Q408-409: DTA124ES
D401-402: GL3PR8
D403: LD-101VR
D404: GL3K66
D405-406: GL3PR8
D407-409: 1SS133T-77
To MASTER BUSS PCB J706 (Page 12/26)
To MASTER BUSS PCB J711 (Page 12/26)

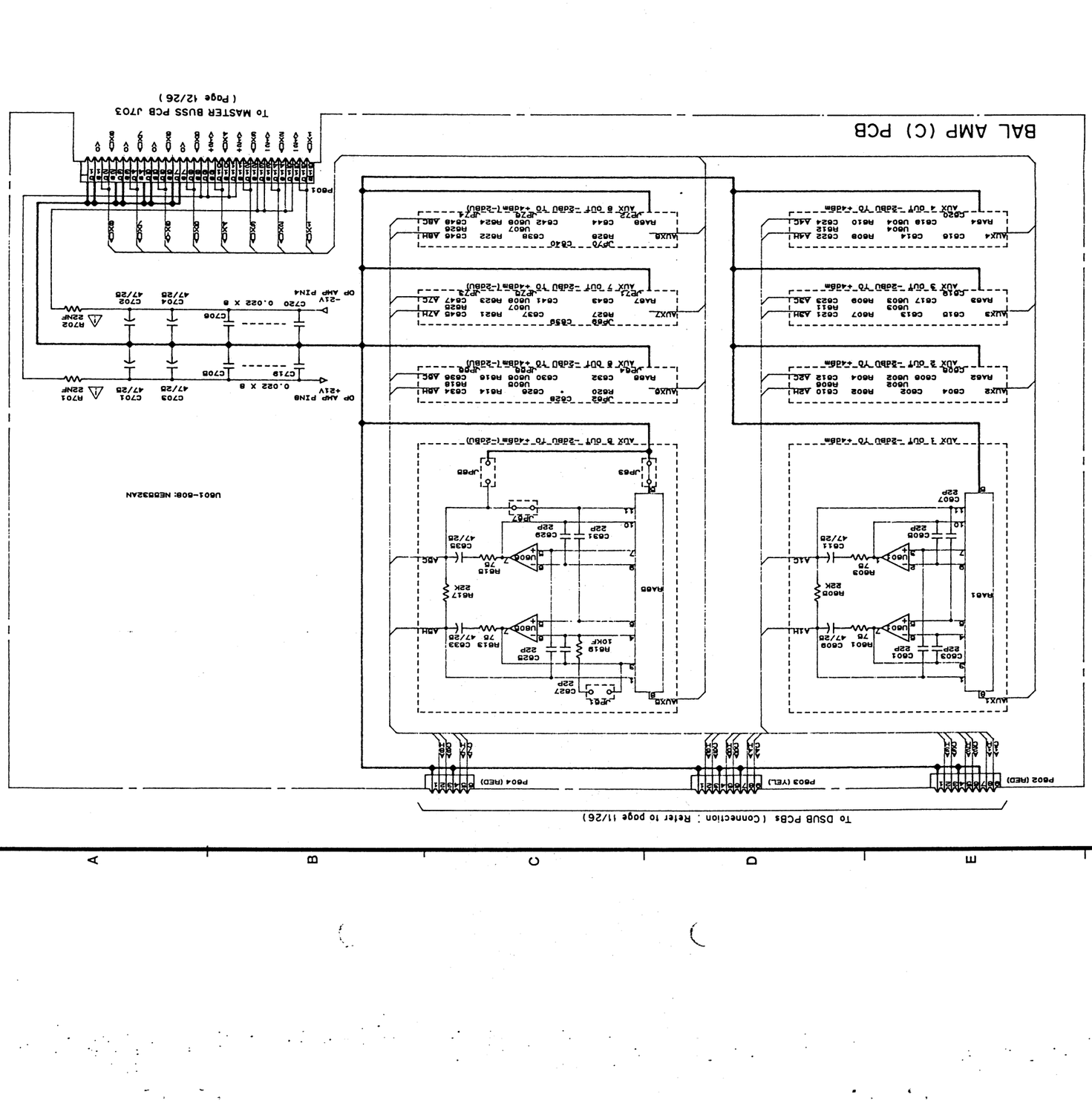

MASTER (D) PCB
U601-605: NE5532AN
U606: 4050B
Q601-602: 2SC1844F
D601-602: GL3PR8
D603-616: 1SS133T-77
To MASTER BUSS PCB J707 (Page 12/26)
To MASTER BUSS PCB J712 (Page 12/26)

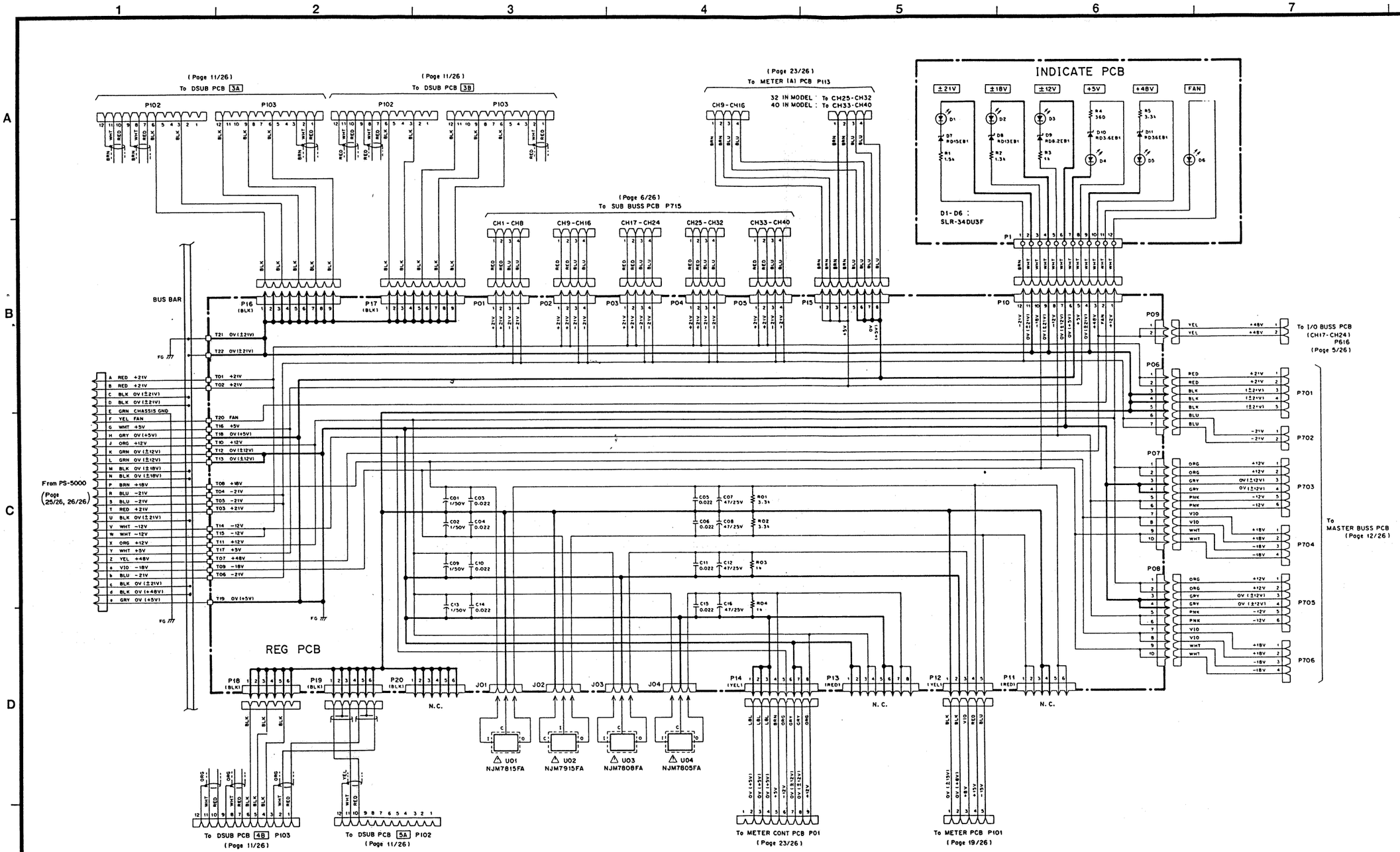

MASTER (E) PCB
MASTER (A) MODULE
MASTER (B) MODULE
MASTER BUSS PCB ASSY (Page 12/26)
To MASTER BUSS PCB J708 (Page 12/26)
To MASTER BUSS PCB J713 (Page 12/26)
To MSW (B) PCB (Page 15/26)
MASTER (E) PCB ASSY (Page 15/26)
MASTER (D) PCB ASSY (Page 14/26)
MASTER (C) PCB ASSY (Page 14/26)
MASTER (B) PCB ASSY (Page 13/26)
MASTER (A) PCB ASSY (Page 13/26)
CUT MASTER PCB ASSY
C ROOM FOLLOW
RANGE ALL
TIME LONG
RESET
CUT RESET
AUTO RESET
LINE IN
MTR IN
OSC OUT
VCA
VU
CUT A
CUT B
CUT C
(N.C.)

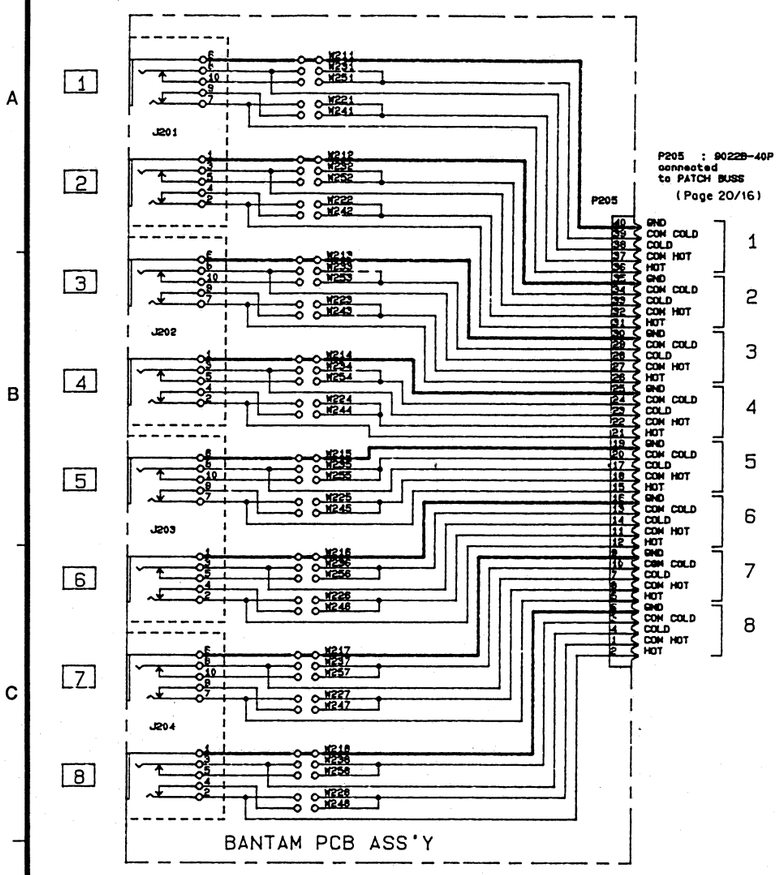

To DSUB PCBs (Connection : Refer to page 11/26)
P002 (WHT)
P003 (BLK)
P004 (RED)
P005 (WHT)
EXT IN L -10dBV (+4dBm) TO -2dBU
EXT IN R -10dBV (+4dBm) TO -2dBU
DAT IN L +4dBm TO -2dBU
DAT IN R +4dBm TO -2dBU
2TR IN L +4dBm TO -2dBU
2TR IN R +4dBm TO -2dBU
ST SEND L -2dBU TO +4dBm (-2dBU)
ST SEND R -2dBU TO +4dBm (-2dBU)
ST OUT L -2dBU TO +4dBm
ST OUT R -2dBU TO +4dBm
ST RCV L IN +4dBm (-2dBU) TO -2dBU
ST RCV R IN +4dBm (-2dBU) TO -2dBU
U001-006: NE5532AN
0.022 X 8
OP AMP PIN8
+21V
-21V
OP AMP PIN4
P001
To MASTER BUSS PCB J701
(Page 12/26)
BAL AMP (A) PCB


To DSUB PCBs (Connection : Refer to page 11/26)
P302 (WHT)
P303 (BLK)
P305 (WHT)
P304 (WHT)
STUDIO L OUT -2dBU TO +4dBm
OPTION STUDIO OUT -2dBU TO +4dBm
OSC OUT -2dBU TO +4dBm (-10dBV)
R322-R325: 3.48KF
STUDIO R OUT -2dBU TO +4dBm
C/R LARGE L -2dBU TO +4dBm
C/R LARGE R -2dBU TO +4dBm
C/R SMALL L -2dBU TO +4dBm
C/R SMALL R -2dBU TO +4dBm
OSC IN +4dBm (-10dBV) TO -2dBU
OP AMP PIN8
+21V
-21V
OP AMP PIN4
P301
U301-309: NE5532AN
To MASTER BUSS PCB J702
(Page 12/26)
BAL AMP (B) PCB


CUT SW PCB
To IO (B) PCB P106
(Page 2/26)
To IO (D) PCB P305
(Page 3/26)


BAL AMP (C) PCB
To MASTER BUSS PCB J703
(Page 12/26)
To DSUB PCBs (Connection : Refer to page 11/26)
P602 (RED)
P603 (YEL)
P604 (RED)
U601-608: NE5532AN
BAL AMP (C) PCB, CUT SW PCB

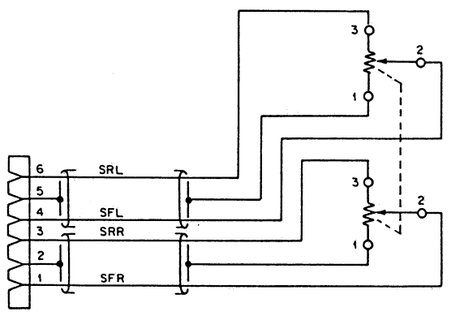

INDICATE PCB
±21V
±18V
±12V
+5V
+48V
FAN
D1-D6 : SLR-34DU3F
REG PCB
BUS BAR
From PS-5000 (Page 25/26, 26/26)
To DSUB PCB 4B P103 (Page 11/26)
To DSUB PCB 5A P102 (Page 11/26)
To METER CONT PCB P01 (Page 23/26)
To METER PCB P101 (Page 19/26)
To I/O BUSS PCB (CH17-CH24) P616 (Page 5/26)
To MASTER BUSS PCB (Page 12/26)
U01 NJM7815FA
U02 NJM7915FA
U03 NJM7808FA
U04 NJM7805FA
N.C.
P701
P702
P703
P704
P705
P706



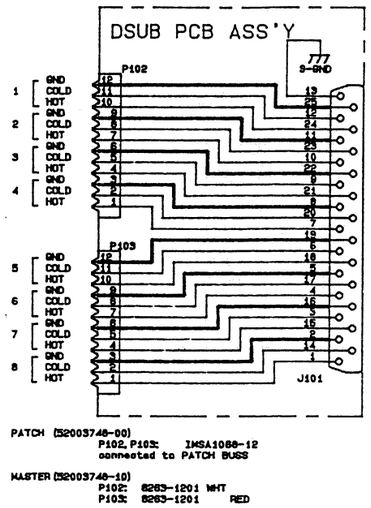
OUT (52003747-00) : W21X, W22X, W23X MOUNT
IN (52003747-10) : W21X, W24X, W25X MOUNT

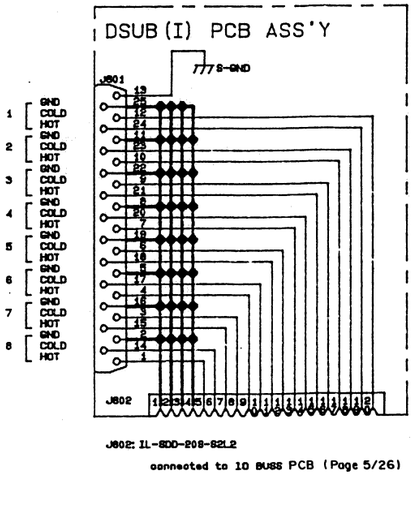
STEREO MASTER FADER

10k (D) x2

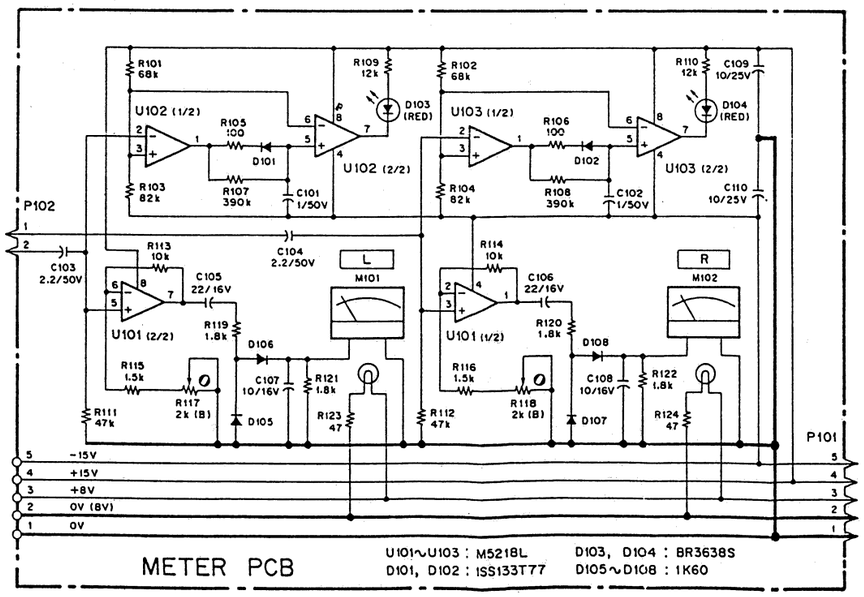


To MASTER (A) PCB P004
(Page 13/26)

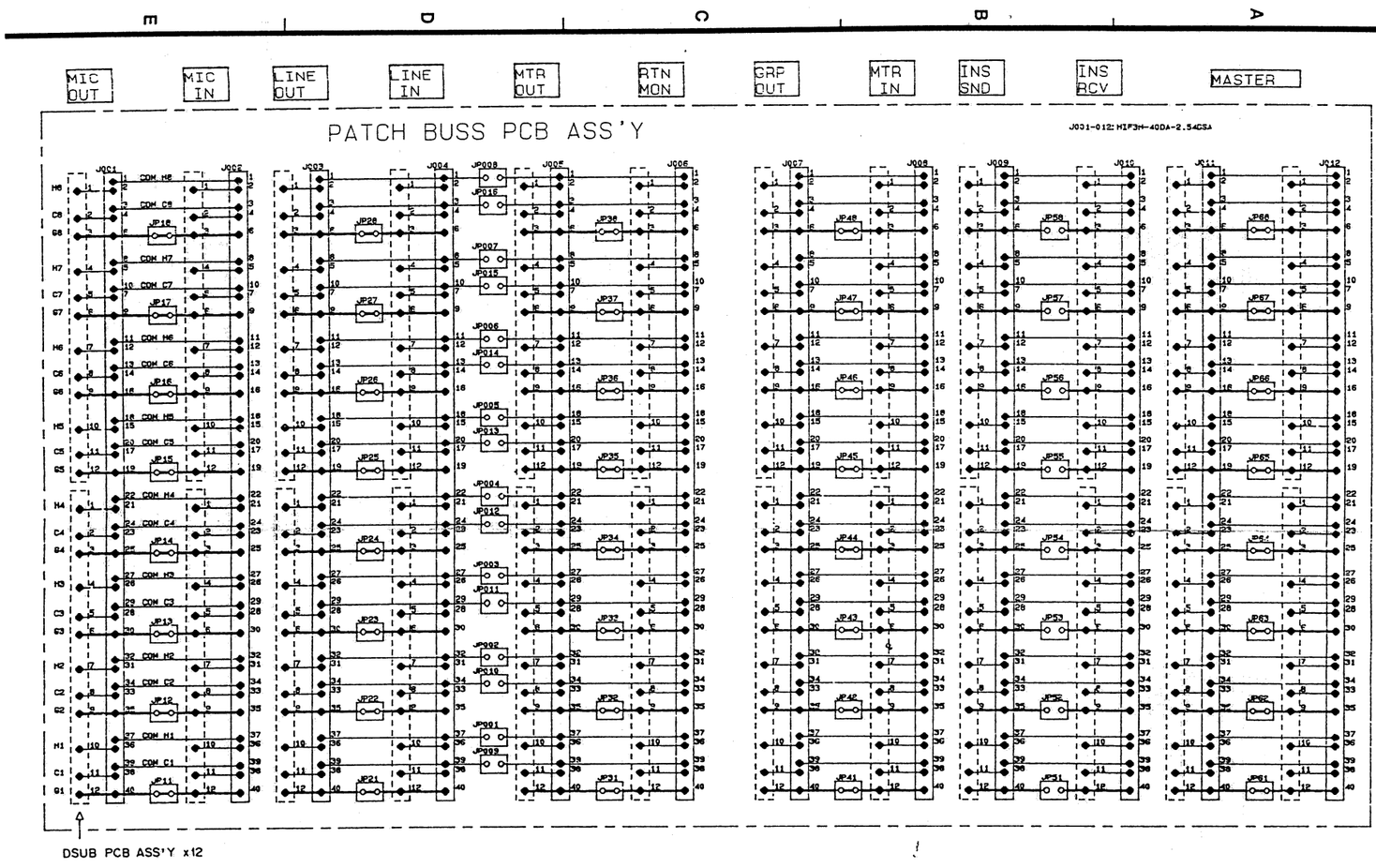


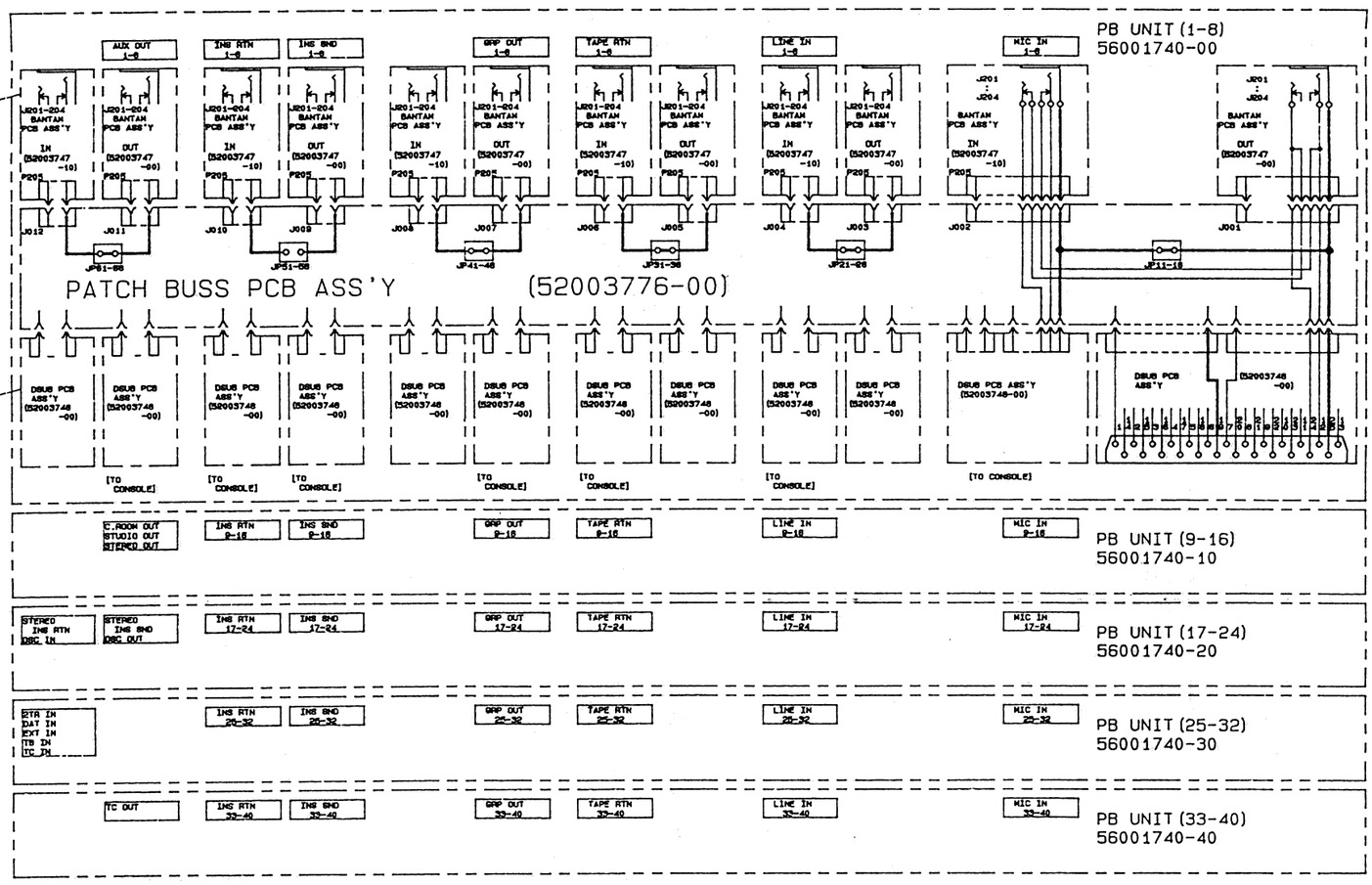


To MASTER BUSS PCB P718
(Connectin :
Refer to page 11/26)



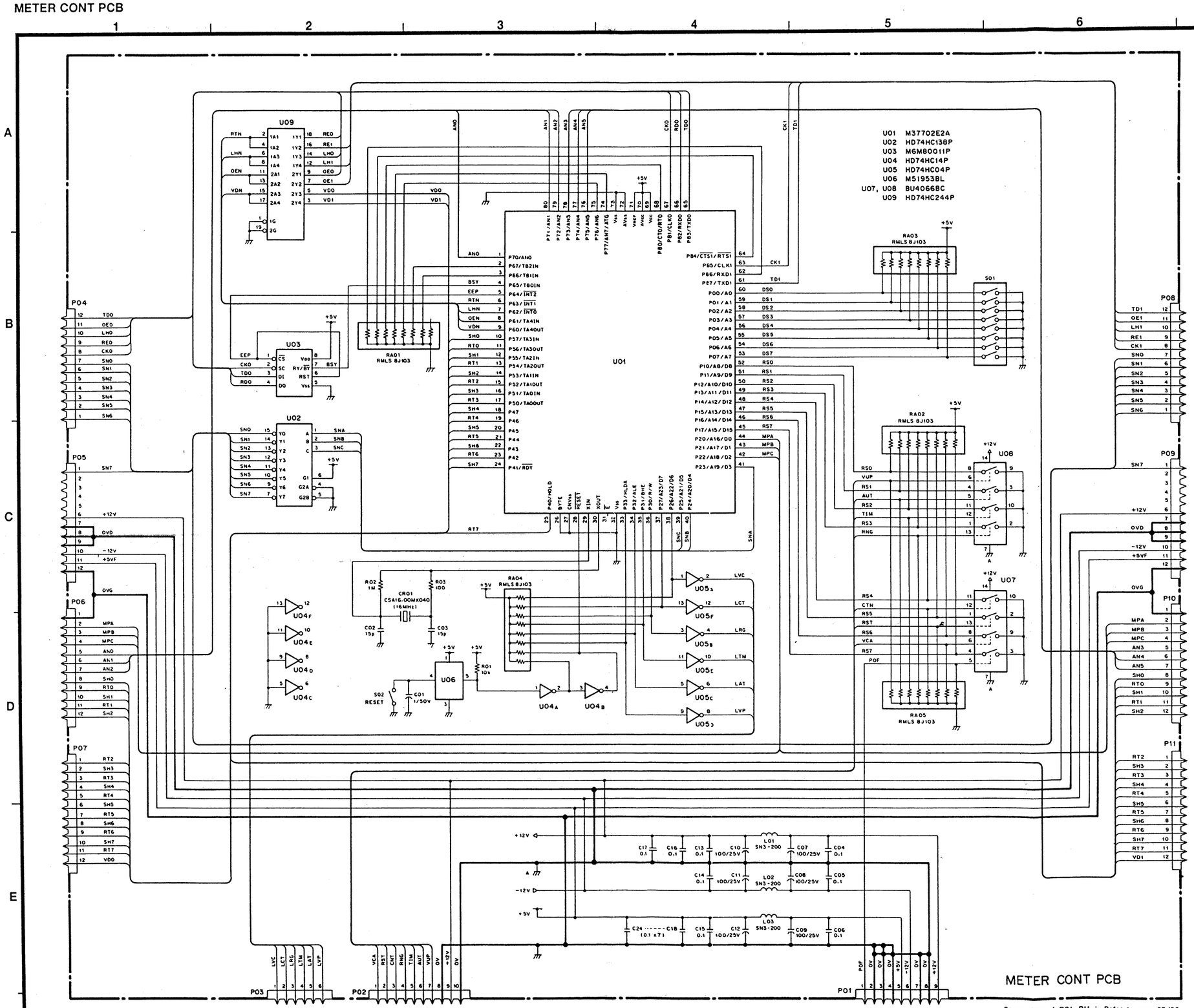
To REG PCB P12
(Page 18/26)



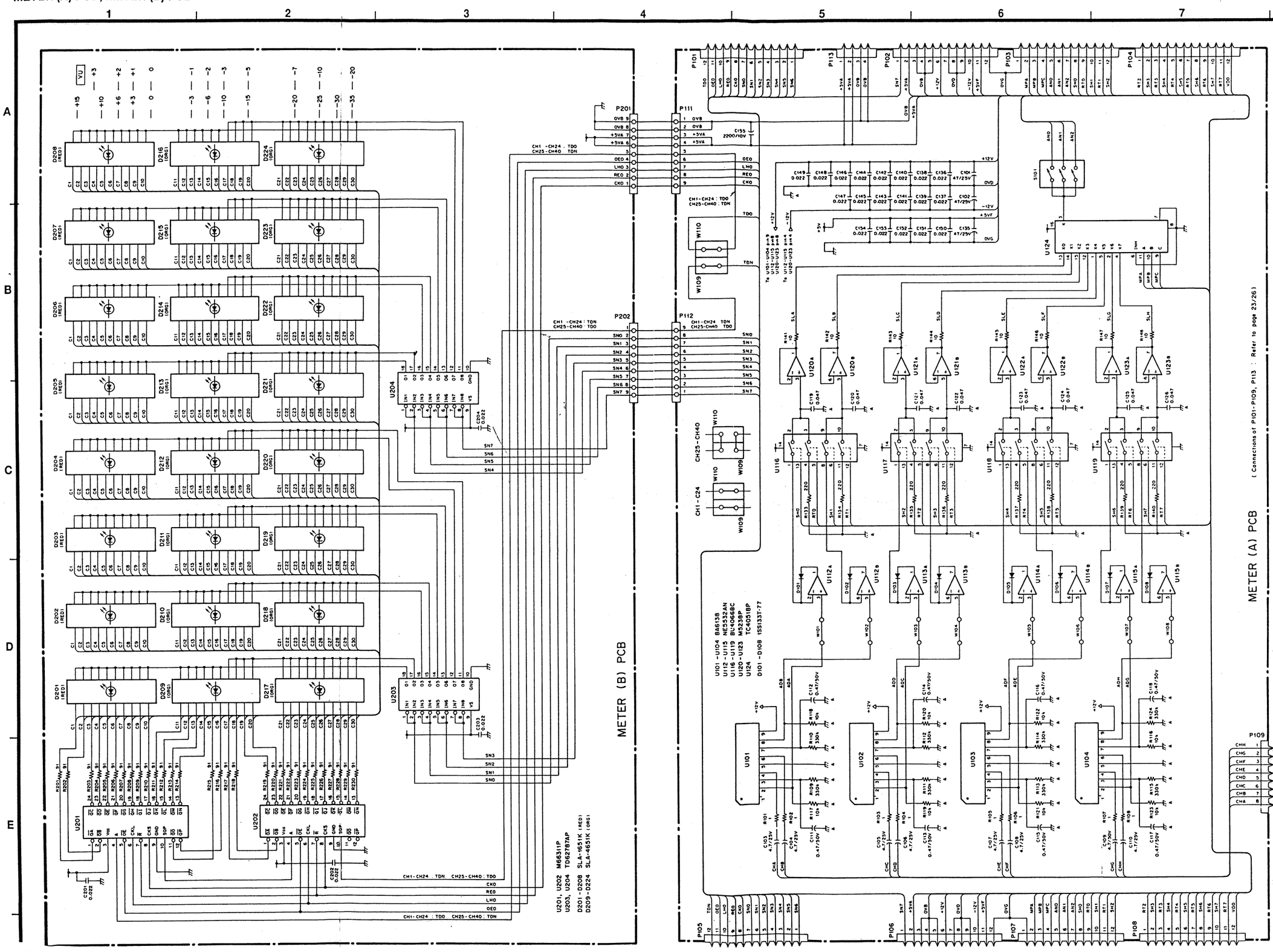


BANTAM PCB : Page 19/26

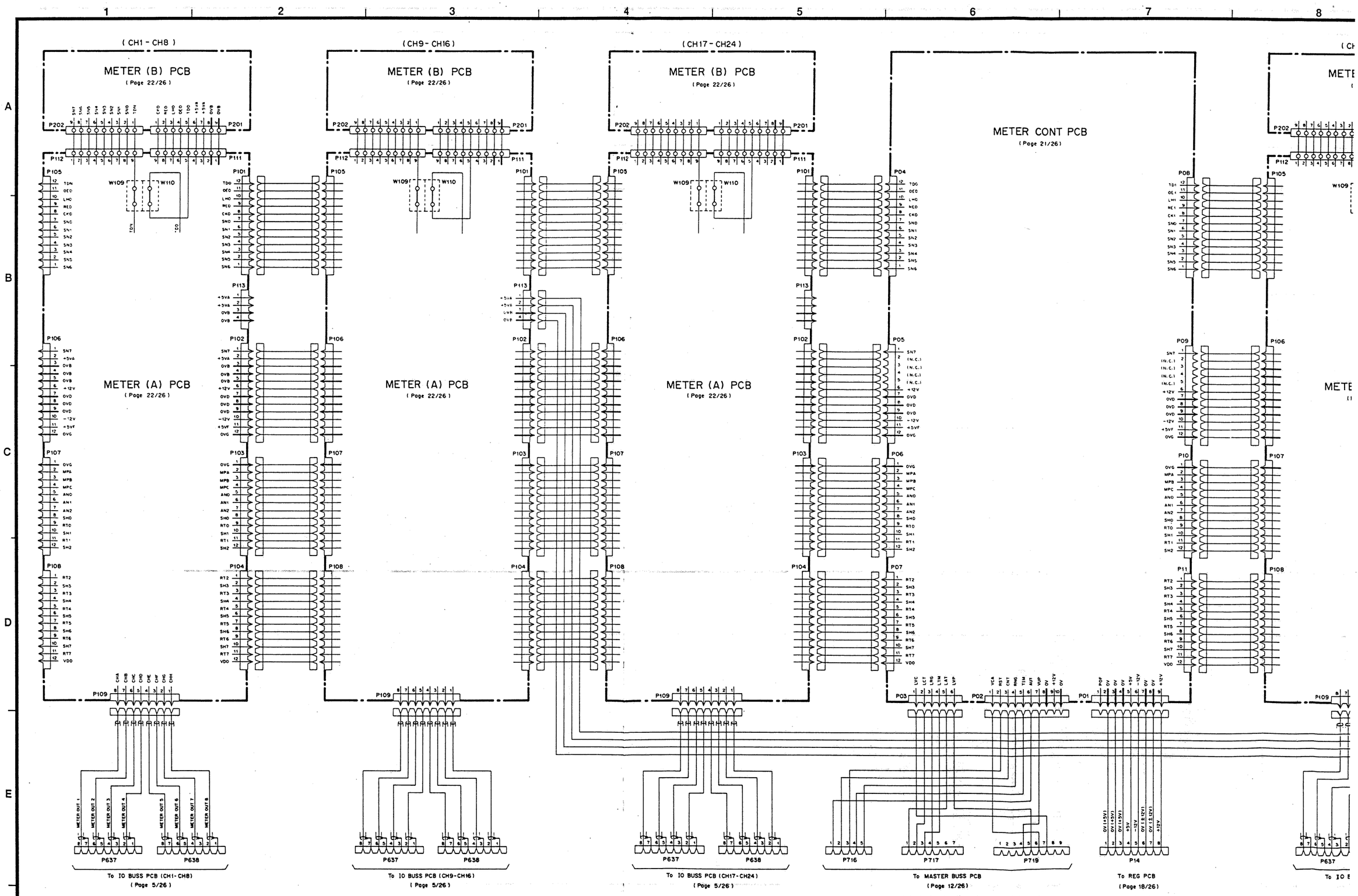
DSUB PCB : Page 19/26

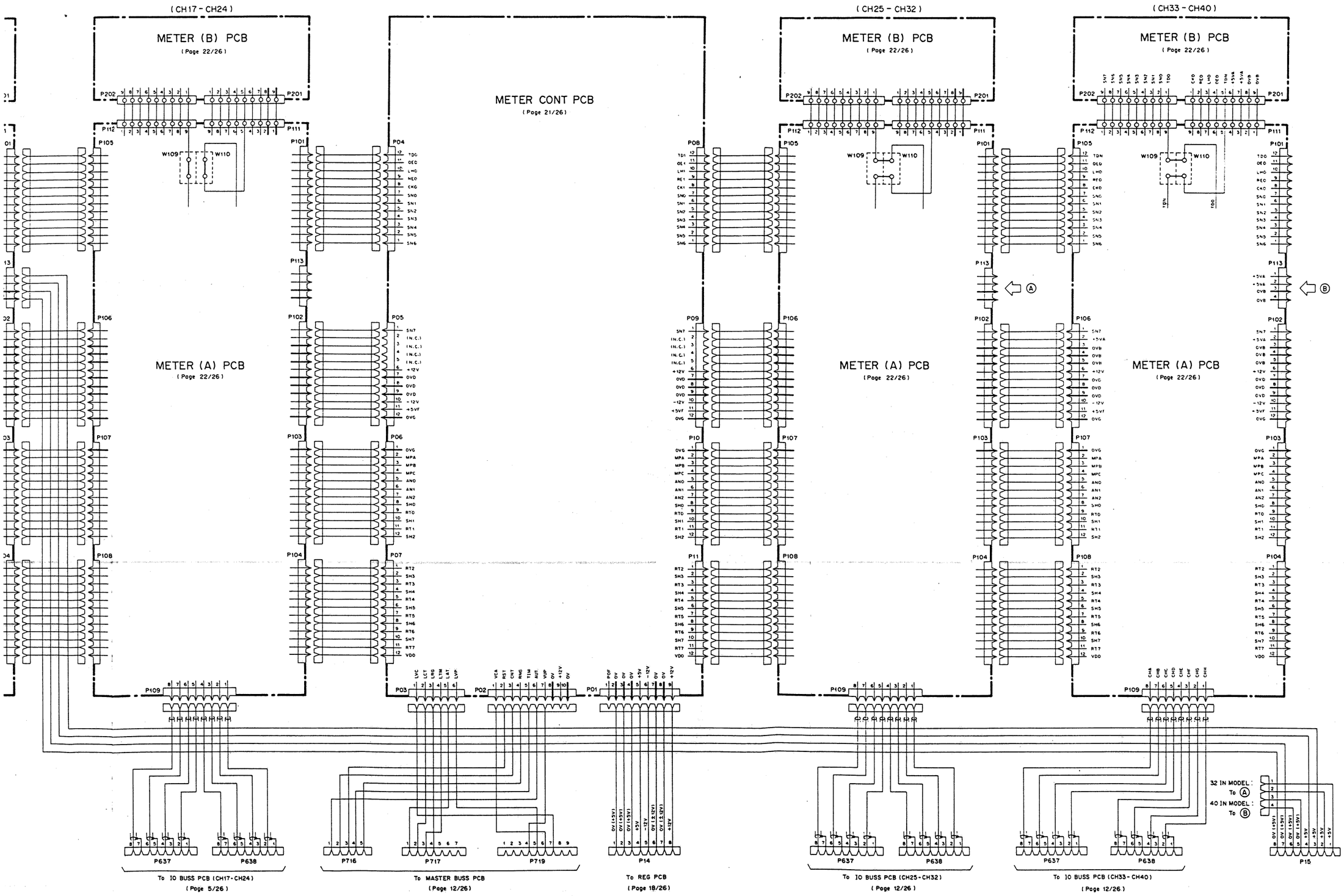


Connections of P01-P11 : Refer to page 23/26

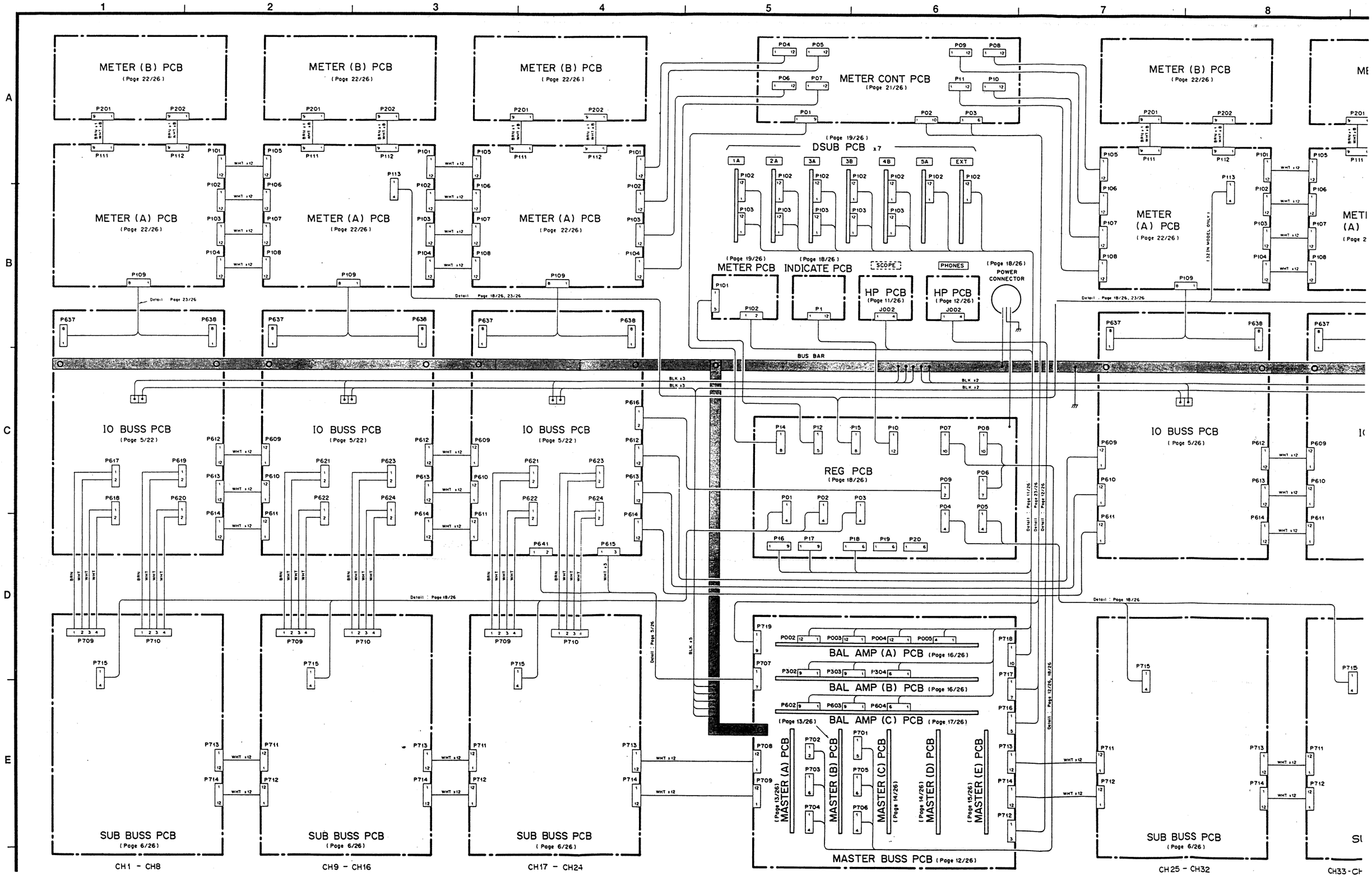

METER (B) PCB
METER (A) PCB
(Connections of P101-P109, P113 : Refer to page 23/26)
U201, U202 M66311P
U203, U204 TD62787AP
D201 - D208 SLA-4651K (RED)
D209 - D224 SLA-4651K (ORG)
U101 - U104 BA6138
U112 - U115 BU4052AN
U116 - U119 BU4066BC
U120 - U123 M5238P
U124 TC4051BP
D101 - D108 1SS133T-77
CH1 - CH24 : TDN CH25 - CH40 : TDO
CH1 - CH24 : TDO CH25 - CH40 : TDN
CH1 - C24
CH25 - CH40
W109
W110
P101
P102
P103
P104
P105
P106
P107
P108
P109
P111
P112
P113
P201
P202
U124
U204
U203
U201
U202
U101
U102
U103
U104
U116
U117
U118
U119
U120a
U120b
U121a
U121b
U122a
U122b
U123a
U123b
U112a
U112b
U113a
U113b
U114a
U114b
U115a
U115b
S101
TDO
TDN
CKO
REO
LHO
OEO
SN0
SN1
SN2
SN3
SN4
SN5
SN6
SN7
+12V
-12V
+5V
+5VF
+5VA
OVB
OVD
OVG
VU
+15
+10
+6
+3
+2
+1
0
-1
-2
-3
-5
-7
-10
-15
-20
-25
-30
-35

METER SECTION WIRING DIAGRAM




(CH17 - CH24)
METER (B) PCB
(Page 22/26)
METER CONT PCB
(Page 21/26)
(CH25 - CH32)
METER (B) PCB
(Page 22/26)
(CH33 - CH40)
METER (B) PCB
(Page 22/26)
METER (A) PCB
(Page 22/26)
METER (A) PCB
(Page 22/26)
METER (A) PCB
(Page 22/26)
P202
P201
P112
P111
P105
P101
P113
P106
P102
P107
P103
P108
P104
W109
W110
P04
P05
P06
P07
P08
P09
P10
P11
P109
P03
P02
P01
P637
P638
P716
P717
P719
P14
P15
A
B
32 IN MODEL :
To A
40 IN MODEL :
To B
To IO BUSS PCB (CH17-CH24)
(Page 5/26)
To MASTER BUSS PCB
(Page 12/26)
To REG PCB
(Page 18/26)
To IO BUSS PCB (CH25-CH32)
(Page 12/26)
To IO BUSS PCB (CH33-CH40)
(Page 12/26)

SYSTEM WIRING DIAGRAM



METER CONT PCB (Page 21/26)

P04 P05 P09 P08 P06 P07 P11 P10 P01 P02 P03

(Page 19/26) DSUB PCB x7

1A 2A 3A 3B 4B 5A EXT — P102 P103

(Page 19/26) METER PCB — P101 P102

(Page 18/26) INDICATE PCB — P1

SCOPE — HP PCB (Page 11/26) — J002

PHONES — HP PCB (Page 12/26) — J002

(Page 18/26) POWER CONNECTOR

BUS BAR

BLK x3 BLK x3 BLK x2 BLK x2

REG PCB (Page 18/26)

P14 P12 P15 P10 P07 P08 P09 P06 P01 P02 P03 P04 P05 P16 P17 P18 P19 P20

Detail : Page 11/26 Detail : Page 23/26 Detail : Page 12/26

METER (B) PCB (Page 22/26) — P201 P202 P111 P112

METER (A) PCB (Page 22/26) — P101 P102 P103 P104 P105 P106 P107 P108 P109 P113

132 IN MODEL ONLY

WHT x12

Detail : Page 18/26, 23/26

IO BUSS PCB (Page 5/26) — P609 P610 P611 P612 P613 P614

P637 P638

SUB BUSS PCB (Page 6/26) — P711 P712 P713 P714 P715

CH25 - CH32

CH33 - CH40 (40 IN MODEL ONLY)

Detail : Page 18/26

BAL AMP (A) PCB (Page 16/26) — P002 P003 P004 P005

BAL AMP (B) PCB (Page 16/26) — P302 P303 P304

BAL AMP (C) PCB (Page 17/26) — P602 P603 P604

(Page 13/26) MASTER (A) PCB — P701 P702

MASTER (B) PCB — P703 P704

MASTER (C) PCB (Page 14/26) — P705 P706

(Page 14/26) MASTER (D) PCB

(Page 15/26) MASTER (E) PCB

P707 P708 P709 P713 P714 P716 P717 P718 P719

MASTER BUSS PCB (Page 12/26)

Detail : Page 5/26

BLK x5

WHT x12

P710

CH24

IO BUSS PCB : Page 5/26
DSUB (I) PCB : Page 19/26
I/O MODULE : Page 4/26
STEREO MODULE : Page 10/26
SUB BUSS PCB Page 6/26

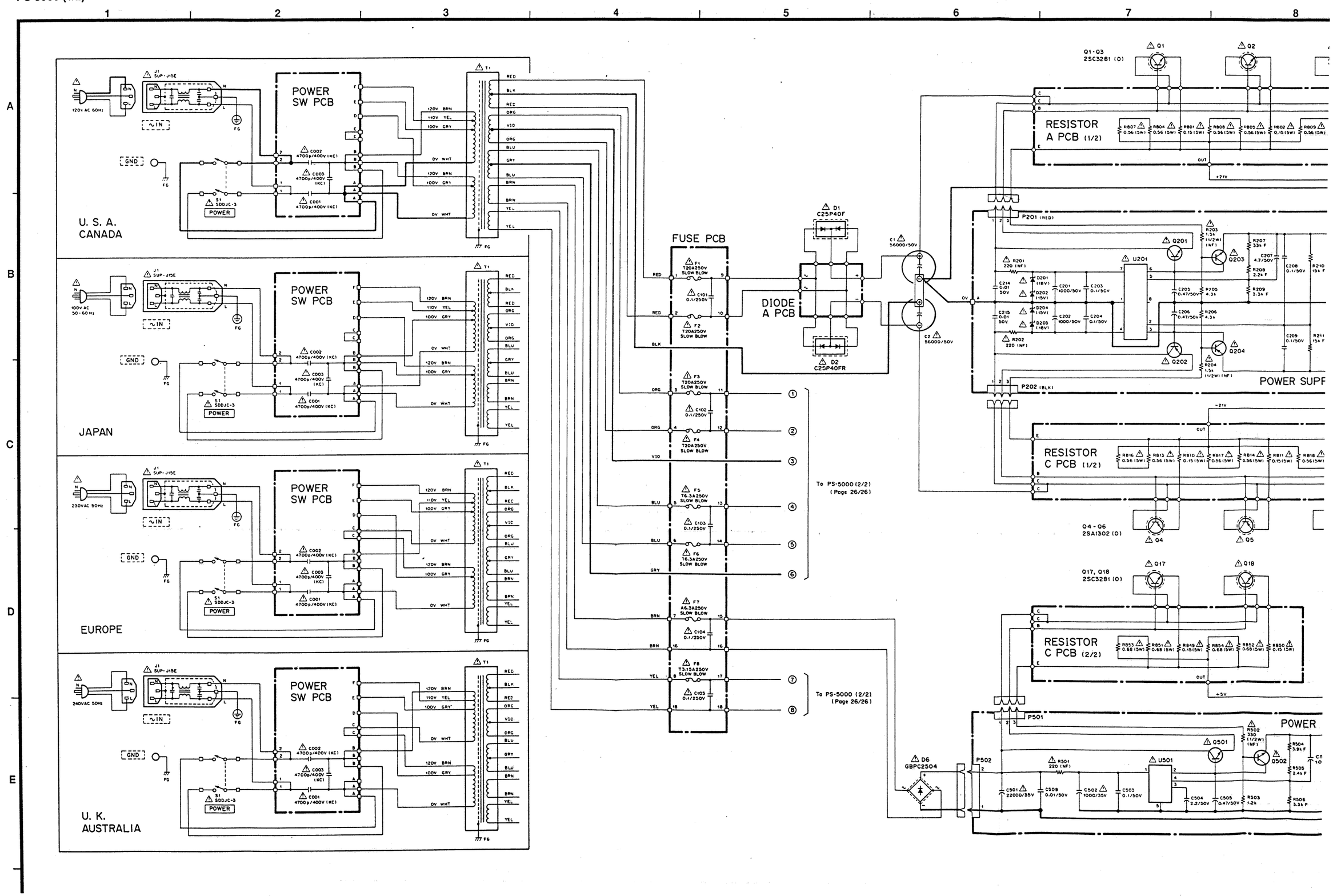
IO BUSS PCB

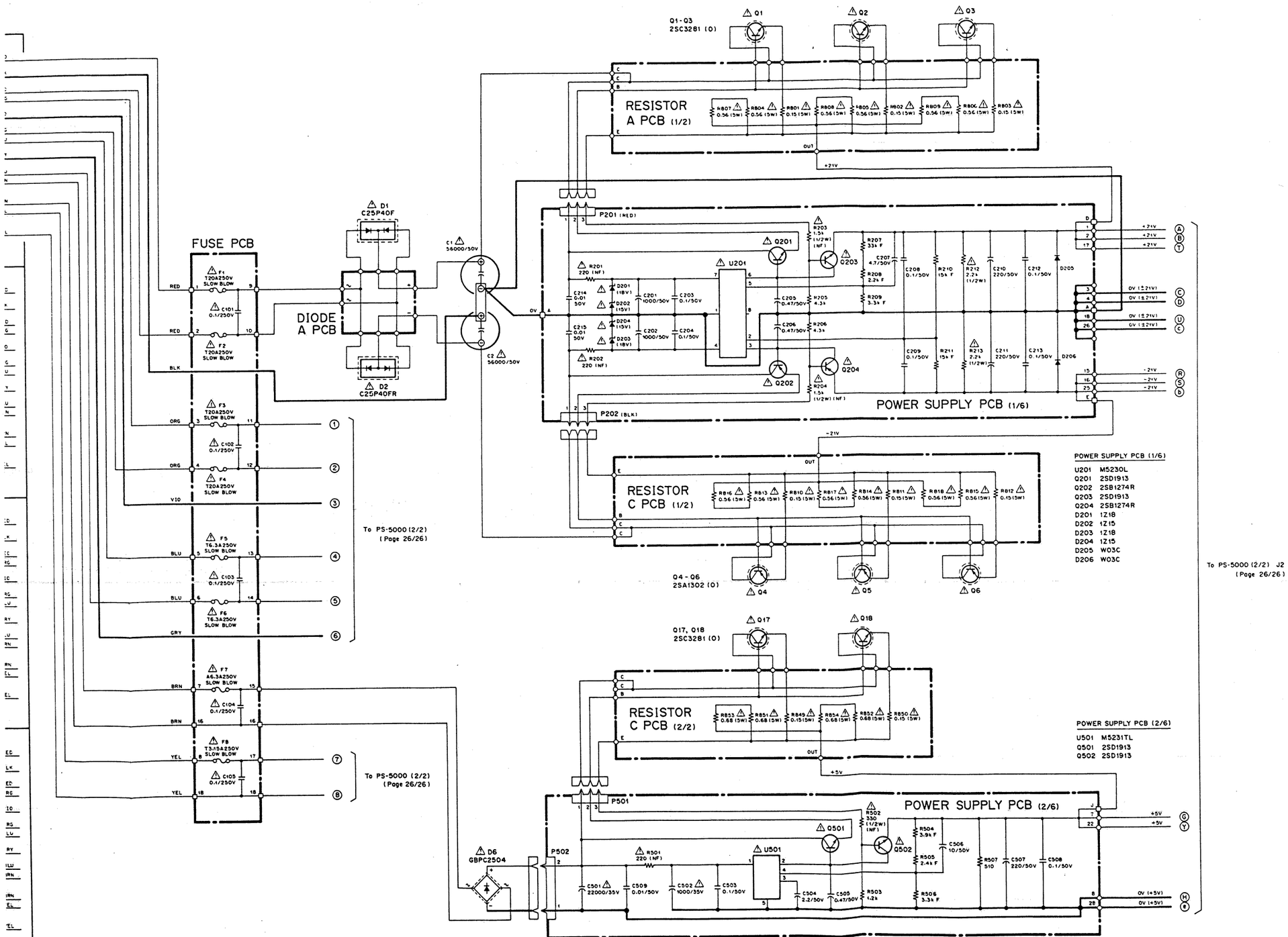
DSUB (I) PCB x8

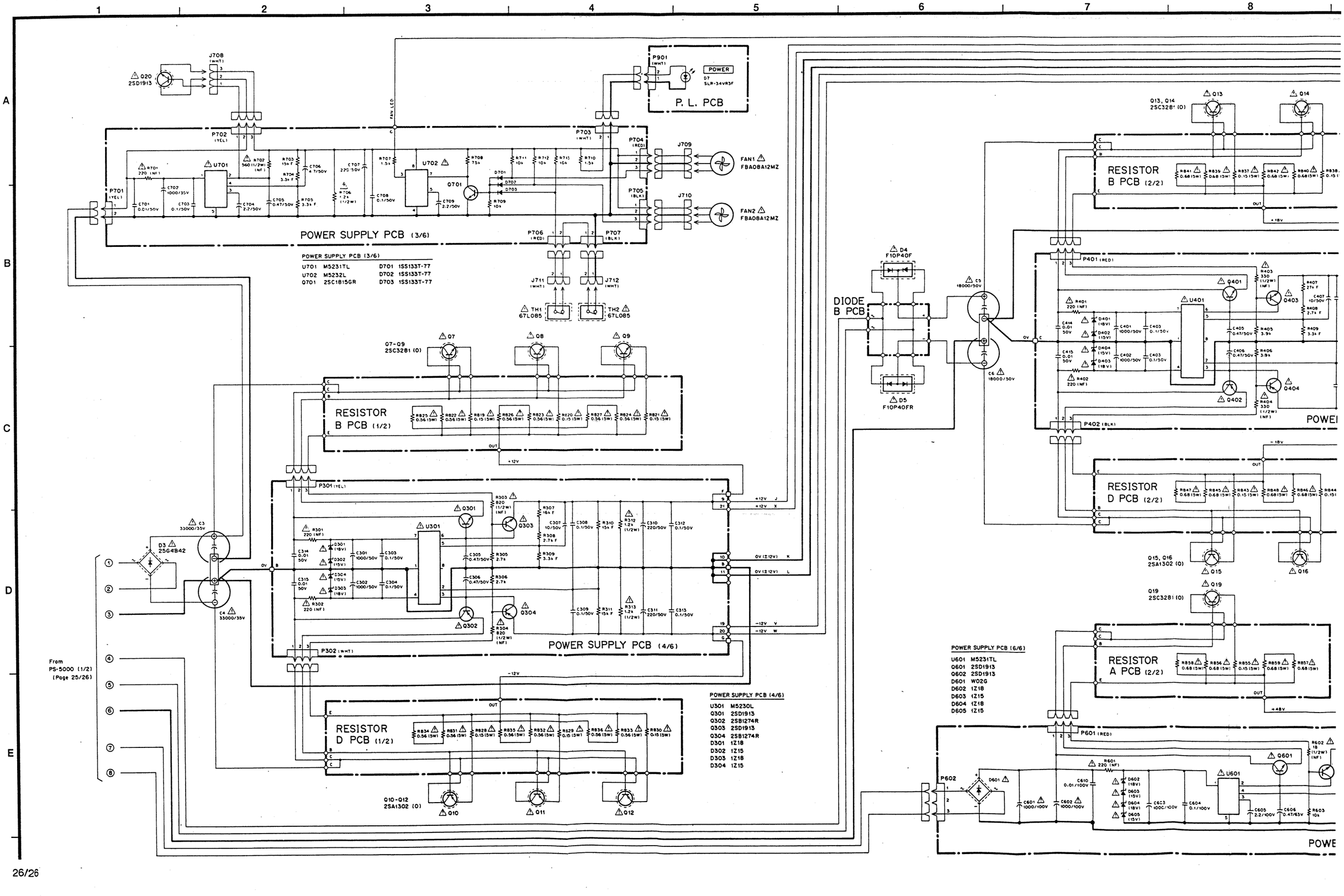
I/O MODULE or STEREO MODULE x8

SUB BUSS PCB

PS-5000 (1/2)


1
2
3
4
5
6
7
8
A
B
C
D
E
U. S. A.
CANADA
120V AC 60Hz
JAPAN
100V AC
50-60Hz
EUROPE
230VAC 50Hz
U. K.
AUSTRALIA
240VAC 50Hz
J1
SUP-J15E
VIN
GND
FG
S1
SDDJC-3
POWER
POWER
SW PCB
T1
C001
4700p/400V (KC)
C002
4700p/400V (KC)
C003
4700p/400V
(KC)
120V BRN
110V YEL
100V GRY
0V WHT
RED
BLK
ORG
VIO
BLU
GRY
BRN
YEL
FUSE PCB
F1
T20A250V
SLOW BLOW
F2
T20A250V
SLOW BLOW
F3
T20A250V
SLOW BLOW
F4
T20A250V
SLOW BLOW
F5
T6.3A250V
SLOW BLOW
F6
T6.3A250V
SLOW BLOW
F7
A6.3A250V
SLOW BLOW
F8
T3.15A250V
SLOW BLOW
C101
0.1/250V
C102
0.1/250V
C103
0.1/250V
C104
0.1/250V
C105
0.1/250V
To PS-5000 (2/2)
(Page 26/26)
To PS-5000 (2/2)
(Page 26/26)
D1
C25P40F
D2
C25P40FR
DIODE
A PCB
C1
56000/50V
C2
56000/50V
Q1-Q3
2SC3281 (O)
Q1
Q2
RESISTOR
A PCB (1/2)
RB07
0.56 (5W)
RB04
0.56 (5W)
RB01
0.15 (5W)
RB08
0.56 (5W)
RB05
0.56 (5W)
RB02
0.15 (5W)
RB09
0.56 (5W)
OUT
+21V
P201 (RED)
P202 (BLK)
Q201
Q202
Q203
Q204
U201
R201
220 (NF)
R202
220 (NF)
R203
1.5k
(1/2W)
(NF)
R204
1.5k
(1/2W) (NF)
R205
4.3k
R206
4.3k
R207
33k F
R208
2.2k F
R209
3.3k F
R210
15k F
R211
15k F
D201
(18V)
D202
(15V)
D204
(15V)
D203
(18V)
C201
1000/50V
C202
1000/50V
C203
0.1/50V
C204
0.1/50V
C205
0.47/50V
C206
0.47/50V
C207
4.7/50V
C208
0.1/50V
C209
0.1/50V
C214
0.01
50V
C215
0.01
50V
POWER SUPP
-21V
OUT
RESISTOR
C PCB (1/2)
RB16
0.56 (5W)
RB13
0.56 (5W)
RB10
0.15 (5W)
RB17
0.56 (5W)
RB14
0.56 (5W)
RB11
0.15 (5W)
RB18
0.56 (5W)
Q4-Q6
2SA1302 (O)
Q4
Q5
Q17, Q18
2SC3281 (O)
Q17
Q18
RESISTOR
C PCB (2/2)
RB53
0.68 (5W)
RB51
0.68 (5W)
RB49
0.15 (5W)
RB54
0.68 (5W)
RB52
0.68 (5W)
RB50
0.15 (5W)
OUT
+5V
P501
P502
D6
GBPC2504
Q501
Q502
U501
R501
220 (NF)
R502
330
(1/2W)
(NF)
R503
1.2k
R504
3.9k F
R505
2.4k F
R506
3.3k F
C501
22000/35V
C502
0.01/50V
C503
1000/35V
C504
0.1/50V
C505
2.2/50V
C506
0.47/50V
C507
1000/35V
POWER


Q1-Q3
2SC3281 (O)
Q1
Q2
Q3
RESISTOR
A PCB (1/2)
RB07 0.56 (5W)
RB04 0.56 (5W)
RB01 0.15 (5W)
RB08 0.56 (5W)
RB05 0.56 (5W)
RB02 0.15 (5W)
RB09 0.56 (5W)
RB06 0.56 (5W)
RB03 0.15 (5W)
OUT
+21V
P201 (RED)
FUSE PCB
F1 T20A250V SLOW BLOW
F2 T20A250V SLOW BLOW
F3 T20A250V SLOW BLOW
F4 T20A250V SLOW BLOW
F5 T6.3A250V SLOW BLOW
F6 T6.3A250V SLOW BLOW
F7 A6.3A250V SLOW BLOW
F8 T3.15A250V SLOW BLOW
C101 0.1/250V
C102 0.1/250V
C103 0.1/250V
C104 0.1/250V
C105 0.1/250V
RED
RED
BLK
ORG
ORG
VIO
BLU
BLU
GRY
BRN
BRN
YEL
YEL
D1 C25P40F
D2 C25P40FR
DIODE A PCB
C1 56000/50V
C2 56000/50V
0V
Q201
Q202
Q203
Q204
U201
R201 220 (NF)
R202 220 (NF)
R203 1.5k (1/2W) (NF)
R204 1.5k (1/2W) (NF)
R205 4.3k
R206 4.3k
R207 33k F
R208 2.2k F
R209 3.3k F
C201 1000/50V
C202 1000/50V
C203 0.1/50V
C204 0.1/50V
C205 0.47/50V
C206 0.47/50V
C207 4.7/50V
C208 0.1/50V
C209 0.1/50V
C210 220/50V
C211 220/50V
C212 0.1/50V
C213 0.1/50V
C214 0.01 50V
C215 0.01 50V
D201 (18V)
D202 (15V)
D203 (18V)
D204 (15V)
D205
D206
R210 15k F
R211 15k F
R212 2.2k (1/2W)
R213 2.2k (1/2W)
+21V
+21V
+21V
0V (±21V)
0V (±21V)
0V (±21V)
0V (±21V)
-21V
-21V
-21V
A
B
T
C
D
U
C
R
S
b
POWER SUPPLY PCB (1/6)
P202 (BLK)
-21V
OUT
RESISTOR
C PCB (1/2)
RB16 0.56 (5W)
RB13 0.56 (5W)
RB10 0.15 (5W)
RB17 0.56 (5W)
RB14 0.56 (5W)
RB11 0.15 (5W)
RB18 0.56 (5W)
RB15 0.56 (5W)
RB12 0.15 (5W)
Q4 Q5 Q6
Q4-Q6
2SA1302 (O)
POWER SUPPLY PCB (1/6)
U201 M5230L
Q201 2SD1913
Q202 2SB1274R
Q203 2SD1913
Q204 2SB1274R
D201 1Z18
D202 1Z15
D203 1Z18
D204 1Z15
D205 W03C
D206 W03C
To PS-5000 (2/2) J2
(Page 26/26)
To PS-5000 (2/2)
(Page 26/26)
Q17, Q18
2SC3281 (O)
Q17
Q18
RESISTOR
C PCB (2/2)
RB53 0.68 (5W)
RB51 0.68 (5W)
RB49 0.15 (5W)
RB54 0.68 (5W)
RB52 0.68 (5W)
RB50 0.15 (5W)
POWER SUPPLY PCB (2/6)
U501 M5231TL
Q501 2SD1913
Q502 2SD1913
+5V
P501
POWER SUPPLY PCB (2/6)
Q501
Q502
U501
R501 220 (NF)
R502 330 (1/2W) (NF)
R503 1.2k
R504 3.9k F
R505 2.4k F
R506 3.3k F
R507 510
C501 22000/35V
C502 1000/35V
C503 0.1/50V
C504 2.2/50V
C505 0.47/50V
C506 10/50V
C507 220/50V
C508 0.1/50V
C509 0.01/50V
D6 GBPC2504
P502
+5V
+5V
0V (+5V)
0V (+5V)
G
Y
H
E


P. L. PCB
POWER SUPPLY PCB (3/6)
POWER SUPPLY PCB (3/6)
U701 M5231TL
U702 M5232L
Q701 2SC1815GR
D701 1SS133T-77
D702 1SS133T-77
D703 1SS133T-77
RESISTOR B PCB (1/2)
Q7-Q9 2SC3281 (O)
POWER SUPPLY PCB (4/6)
U301 M5230L
Q301 2SD1913
Q302 2SB1274R
Q303 2SD1913
Q304 2SB1274R
D301 1Z18
D302 1Z15
D303 1Z18
D304 1Z15
RESISTOR D PCB (1/2)
Q10-Q12 2SA1302 (O)
From PS-5000 (1/2) (Page 25/26)
DIODE B PCB
RESISTOR B PCB (2/2)
Q13, Q14 2SC3281 (O)
Q15, Q16 2SA1302 (O)
Q19 2SC3281 (O)
RESISTOR D PCB (2/2)
POWER SUPPLY PCB (6/6)
U601 M5231TL
Q601 2SD1913
Q602 2SD1913
D601 W02G
D602 1Z18
D603 1Z15
D604 1Z18
D605 1Z15
RESISTOR A PCB (2/2)

P. L. PCB
P901 (WHT)
POWER
D7 SLR-34VR3F
P703 (WHT)
P704 (RED)
P705 (BLK)
P707 (BLK)
J709
J710
J712 (WHT)
FAN1 FBA08A12MZ
FAN2 FBA08A12MZ
TH2 67L085
R710 1.5k
Q9
R820 0.15 (5W)
R827 0.56 (5W)
R824 0.56 (5W)
R821 0.15 (5W)
C308 0.1/50V
R310 15k F
R312 1.2k (1/2W)
C310 220/50V
C312 0.1/50V
C309 0.1/50V
R311 15k F
R313 1.2k (1/2W)
C311 220/50V
C313 0.1/50V
+12V J
+12V X
0V (±12V) K
0V (±12V) L
-12V V
-12V W
POWER SUPPLY PCB (4/6)
R629 0.15 (5W)
R836 0.56 (5W)
R833 0.56 (5W)
R830 0.15 (5W)
Q12

POWER SUPPLY PCB (4/6)
U301 M5230L
Q301 2SD1913
Q302 2SB1274R
Q303 2SD1913
Q304 2SB1274R
D301 1Z18
D302 1Z15
D303 1Z18
D304 1Z15

Q13, Q14
2SC3281 (O)
Q13
Q14
RESISTOR B PCB (2/2)
R841 0.68 (5W)
R839 0.68 (5W)
R837 0.15 (5W)
R842 0.68 (5W)
R840 0.68 (5W)
R838 0.15 (5W)
OUT
+18V

POWER SUPPLY PCB (5/6)
U401 M5230L
Q401 2SD1913
Q402 2SB1274R
Q403 2SD1913
Q404 2SB1274R
D401 1Z18
D402 1Z15
D403 1Z18
D404 1Z15

D4 F10P40F
D5 F10P40FR
DIODE B PCB
C5 18000/50V
C6 18000/50V
P401 (RED)
P402 (BLK)
R401 220 (NF)
R402 220 (NF)
R403 330 (1/2W) (NF)
R404 330 (1/2W) (NF)
Q401
Q402
Q403
Q404
U401
D401 (18V)
D402 (15V)
D404 (15V)
D403 (18V)
C414 0.01 50V
C415 0.01 50V
C401 1000/50V
C402 1000/50V
C403 0.1/50V
C405 0.47/50V
C406 0.47/50V
R405 3.9k
R406 3.9k
R407 27k F
R408 2.7k F
R409 3.3k F
C407 10/50V
C408 0.1/50V
R410 15k F
R412 1.8k (1/2W)
C410 220/50V
C412 0.1/50V
C409 0.1/50V
R411 15k F
R413 1.8k (1/2W)
C411 220/50V
C413 0.1/50V
0V
+18V
0V (±18V)
0V (±18V)
-18V
POWER SUPPLY PCB (5/6)

RESISTOR D PCB (2/2)
R847 0.68 (5W)
R845 0.68 (5W)
R843 0.15 (5W)
R848 0.68 (5W)
R846 0.68 (5W)
R844 0.15 (5W)
OUT
-18V
Q15, Q16
2SA1302 (O)
Q15
Q16

Q19
2SC3281 (O)
RESISTOR A PCB (2/2)
R858 0.68 (5W)
R856 0.68 (5W)
R855 0.15 (5W)
R859 0.68 (5W)
R857 0.68 (5W)
OUT
+48V

POWER SUPPLY PCB (6/6)
U601 M5231TL
Q601 2SD1913
Q602 2SD1913
D601 W02G
D602 1Z18
D603 1Z15
D604 1Z18
D605 1Z15

P601 (RED)
P602
D601
R601 220 (NF)
R602 18 (1/2W) (NF)
R603 10k
R604 36 F
R605 82k F
R606 3.3k F
C601 1000/100V
C602 1000/100V
C603 100C/100V
C604 0.1/100V
C605 2.2/100V
C606 0.47/63V
C607 10/100V
C608 220/100V
C609 0.1/100V
C610 0.01/100V
D602 (18V)
D603 (15V)
D604 (18V)
D605 (15V)
Q601
Q602
U601
+48V
0V (+48V)
POWER SUPPLY PCB (6/6)

From PS-5000 (1/2) (Page 25/26)

OUTPUT J2

A	1	+21V	L
B	2	+21V	B
C	3	0V (±21V)	C
D	4	0V (±21V)	D
	5	CHASSIS GND	E
	6	FAN LED	F
G	7	+5V	G
H	8	0V (+5V)	H
	9	+12V	J
	10	0V (±12V)	K
	11	0V (±12V)	L
	12	0V (±18V)	M
	13	0V (±18V)	N
	14	+18V	P
R	15	-21V	R
S	16	-21V	S
T	17	+21V	T
U	18	0V (±21V)	U
	19	-12V	V
	20	-12V	W
Y	21	+12V	X
	22	+5V	Y
	23	+48V	Z
	24	-18V	a
b	25	-21V	b
c	26	0V (±21V)	c
	27	0V (+48V)	d
e	28	0V (+5V)	e